





Government of Bombay

POST-WAR RECONSTRUCTION PLANNING  
IN  
BOMBAY PROVINCE



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From

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Deputy Secretary to the Government of Bombay,

Revenue Department;

To

THE SECRETARY,

Reconstruction Committee of Council,

New Delhi.

SUBJECT:—*Post-war Reconstruction.*

Sir,

I am directed to state that a Plan for the post-war development of the Province is being prepared by the Government of Bombay and I append herewith schemes which form an integral part of that Plan. The schemes relate to a number of Governmental departments but have been collated with a view to present a picture of a co-ordinated Post-war Plan for the Province.

2. The main objective of the Plan is to raise the economic level of the Province, increase the well-being of its inhabitants and generally to improve the Province over a period of 15 years in every aspect of its social, economic and cultural life, both urban and rural. It is proposed that the execution of this comprehensive Plan should be divided as a working basis into three five-year periods. The schemes appended to this letter are those proposed for execution during the First Five-Year Plan.

3. It is clear, however, that all the possible schemes necessary to attain the objectives stated above cannot be taken up for execution in all parts of the Province simultaneously because of the limiting factors of finance and staff and the difficulty of guarding against wastage in the actual expenditure of the taxpayers' money by ensuring proper and efficient supervision over the actual implementation of the Plan. A realistic approach to the subject of Post-war Planning, therefore, is to make a selection of schemes in order of urgency and importance and on the basis of the available man-power likely to be made available for working the Plan.

4. Government have further considered whether the work involved in the execution of the schemes should be spread uniformly over the entire Province or concentrated in selected areas and have come to the conclusion that only by concentrating the practicable improvements in compact areas will it be possible to achieve visible and measurable results in the improvement of the general standard of life. At the same time an over-emphasis on the principle of 'concentration' might result in the neglect, even though for a short period, of the basic or urgent needs of the rest of the Province or the postponement of certain schemes unsuitable for introduction in the selected areas. Government, therefore, have decided that certain schemes must be implemented throughout the Province and others put into operation in areas even if these areas happen to be the ones selected for intensive development.

5. The various schemes have, therefore, been classified into the following categories:

**(i) SPECIAL PRIORITY SCHEMES (STATEMENT I).**

It is proposed to put these schemes into effect as quickly as possible so as to meet, to some extent, the existing and more particularly, the post-war demand for the extra staff required for planning and execution.

**(ii) ALL-PROVINCE SCHEMES (STATEMENT II).**

These schemes will be spread over all districts in the Province and are intended to cater for the more urgent and basic needs and prepare the way for more intensive development later on.

**(iii) PARTICULAR AREA SCHEMES (STATEMENT III).**

These schemes by their nature are only suitable for introduction in certain areas, e.g., anti-malaria measures, irrigation or public health projects.

**(iv) 'CONCENTRATED' AREA SCHEMES (STATEMENT IV).**

Under this category is included a list of schemes, which may require to be supplemented later after a careful check has been made of the needs and possibilities of the 'Concentrated Areas' with a view to their all-round development, i.e., improving all areas within them liable to erosion ; grazing areas ; irrigation facilities ; building all district and village roads ; building school houses ; securing the necessary number of trained teachers ; encouraging local industries ; providing water supply in the villages and towns ; sanitation of larger towns ; technical and agricultural high schools ; organization of co-operative work ; veterinary dispensaries in every taluka ; proper health and medical arrangements, including stoppage of malaria, etc.

The cumulative effect of such a concerted drive on compact areas is expected to yield rapid and satisfying results, provide an excellent advertisement for Government's post-war Plans and create a popular demand for the extension of the Plan to other areas.

6. Nine districts have been taken as target for the 'Concentrated Areas' for the first five years. They are :—

Satara ..	.. All talukas.
Poona ..	.. Indapur taluka and Dhond and Sirur petas.
Sholapur ..	.. Karmala, Sangola, Malsiras and Pandharpur talukas.
Ahmednagar ..	.. Newasa, Kopergaon, Rahuri, Ahmednagar, Parner and Shrigonda talukas and Karjat peta.
Kolaba ..	.. Mahad, Mangaon and Roha talukas.
Ratnagiri ..	.. Whole district except Vengurla peta.
Belgaum ..	.. All talukas.
Bijapur ..	.. All talukas.
Surat ..	.. All talukas.

7. In making this selection, the Government was influenced by three factors : firstly, the 'Concentrated Areas' must be distributed over various parts of the Province. At any rate, it is necessary to experiment everywhere ;

secondly, it is essential to pay special attention to the needs of certain areas in the Province—areas particularly liable to famine, areas where the soil is particularly unproductive and areas generally in need of development; and

thirdly, the 'Concentrated Areas' should, as far as possible, correspond with the best recruiting areas. It must be remembered that the soldier is a member of the family, that anything done for his benefit helps his family and in turn his own village.

8. The Plan covers every aspect of non-industrial rural development, but does not deal with large scale industry. Industrial reconstruction is dependent on Planning by the Government of India and for it India must be regarded as a whole and industries located where they can be worked most economically. Government has, however, made a forecast of the number of workers likely to be displaced as a result of the changeover of the factories to a peace-time basis and also of the number of demobilised soldiers likely to return to the main cities and does not anticipate that Trade and Industry in the initial years after the war will have much difficulty in absorbing such persons. Government, moreover, is prepared to follow a policy of maintaining a high level of employment in urban centres as far as possible by an expansion of public works.

9. At the present stage it has not been possible to indicate the relative priority of schemes *inter se* as this would depend on the funds available. As a rough guide in deciding allocation of funds the following priority has been adopted:—

- (i) Communications.
- (ii) Agriculture.
- (iii) Public Health.
- (iv) Education.

10. The total cost of the First Five-Year Plan is expected to be in the neighbourhood of Rs. 50, crores, and the ways and means of financing a Plan of this magnitude are being examined. Government has already instituted a Post-war Reconstruction Fund which, at the close of the year 1944-45, is expected to amount to Rs. 7 crores. That will, of course, need to be considerably supplemented. Recourse may have to be had to either taxation or borrowing, or to both. Financial help will, it is hoped, be forthcoming from the Central Government. While it must be emphasised that the figure of about Rs. 50 crores estimated to be required for the first five years of the Plan can be regarded as no more than a target, the Government of Bombay has every reason to hope that it will be possible to finance a Plan of the scale contemplated.

11. A Plan without the men to execute it is useless and the most important factor in the success of Post-war Reconstruction will be the existence of adequate and efficient agencies to execute the schemes. It is for this reason, that Government has placed in the forefront of its Plan 13 Special Priority Schemes, 12 of which deal with the training of staff. Of these schemes five have already been sanctioned and others relating to the Medical, Public Health and Educational Departments are being examined and are expected to be put into operation shortly. In addition, the only Special Priority Scheme not solely concerned with staff, viz., livestock improvement, has also been sanctioned, as the cattle required for post-war years must be bred and reared now.

12. Apart from the measures referred to in the preceding paragraph,

Government have taken the following steps for the Planning of various Post-war projects :—

A Project Circle has been established under one Superintendenting Engineer with three Executive Engineers for the planning and preparation of road schemes. The necessary staff has already been appointed and will take up immediately the preparation of the preliminary project estimates called for by the Government of India by 31st August 1944.

A special officer under the Public Works Department has been appointed to examine in detail the project of the Grid Scheme of Electricity of this Province and to initiate the preliminary steps to be taken pending the preparation and promulgation of necessary legislation in connection therewith. The details of the scheme itself and the draft Bill are under discussion. In the meantime, a list of heavy plant and equipment likely to be required for the scheme has been furnished to the Electrical Commissioner to the Government of India.

The creation of a Buildings Projects Division with head-quarters at Poona has been recently sanctioned and will start work on the Planning of building schemes necessary in connection with the Post-war Reconstruction Plan.

An Executive Engineer, Irrigation Project Division, has been appointed for investigation, by stages, of the irrigation projects proposed for execution in the Post-war period.

13. As regards the resettlement of soldiers, the Plan, especially in so far as it focuses the initial portion of reconstruction activities in the recruiting areas, will go a long way in assisting the resettlement of soldiers and their orderly and rapid absorption into civil life. Government considers that any attempt to segregate the soldier and make him the sole beneficiary of schemes of improvement would be unwise and prefers, therefore, that the lines of resettlement should be along the lines of general reconstruction. This does not, however, mean that specific schemes of direct benefit to ex-soldiers will not be taken up. Two such schemes, viz., Nos. 4 and 78, are included in the Plan and certain others, e.g., acquisition of land for ex-soldiers, financing land improvement works, etc., are under consideration of Government. In addition, a statement of the consolidated staff requirements of the various Departments for the execution of post-war Reconstruction schemes is being prepared, so that the soldiers may know the various avenues of employment open to them.

14. It should be clearly understood that this Plan is by no means in the nature of an unalterable blue-print. It serves to define Government's aims, but no finality is claimed either for outline or details. Further consideration or altered circumstances may—and doubtless will—necessitate considerable modification in the details of individual schemes: while in respect of the Plan as a whole there are, as already stated, several limiting factors e.g., staff material and not least, finance.

15. A small Pamphlet describing the main features of the Plan has been published separately by Government.

Your obedient servant,

A. L. DIAS,  
Deputy Secretary to the Government of Bombay,  
Revenue Department.

## LIST OF POST-WAR RECONSTRUCTION SCHEMES.

## STATEMENT I.

## Special Priority Schemes.

Scheme No.	Scheme.	Rough cost of 5-Year Plan in thousands of rupees.			Remarks.
		Capital.	Recurring.	Total.	
1	2	3	5	6	
<i>Agricultural Department.</i>					
1	Expansion of agricultural education particularly Agricultural College, Poona.	13,20	9,91	23,11	
2	Establishment of suitably equipped and staffed centres for instruction and training of staff required for Post-war agricultural development including the establishment or expansion of centres for training staff for the bunding and dry farming programme.	1,61	10,28	11,89	
3	Scheme for the preliminary training and work necessary for the execution of the scheme for extensive work in livestock improvement.	3,80	9,10	12,90	
4	Scheme for the vocational training of soldiers.		Details to be settled.		
5	Training of horticultural staff	1,58	38	1,96	
6	Expansion of headquarters staff of the Agricultural Engineer to Government.	60	1,03	1,63	
<i>Co-operative Department.</i>					
7	Centre for training staff required for expansion of co-operative movement, marketing, etc.	2	1,27	1,29	
<i>Veterinary Department.</i>					
8	Expansion of the Bombay Veterinary College.	1,50	4,00	5,50	
<i>Medical and Public Health.</i>					
9	Training of Subsidised Medical Practitioners in sanitary and public health work and expansion of existing facilities for the training of more Health Officers, Sanitary Inspectors, etc.	3,05	13	3,18	
10	Improvement in medical education at the Grant Medical College, Bombay.	....	2,70	2,70	
11	Establishment of a College of Nursing, Satara.	6	1,23	1,29	
<i>Education.</i>					
12	Expansion of Engineering College, Poona, to meet Public Works Department's Post-war demand for staff.	9,18	5,02	14,20	
13	Training of Primary Teachers for employment in concentrated areas.	30	6,70	7,00	

Scheme No.	Scheme.	Rough cost of 5-Year Plan in thousands of rupees.			Remarks.
		Capital.	Recurring.	Total.	
1	2	3	4	5	6
<i>Industries.</i>					
14	Scheme for the training at the Victoria Jubilee Technical Institute of electricians and other technical personnel in connection with the Electrical Grid Scheme.				Details to be settled.
	Total	..	34,90	51,75	86,65

## STATEMENT II.

### Schemes to be introduced throughout the Province.

Scheme No.	Scheme.	Rough cost of 5-Year Plan in thousands of rupees.			Remarks.
		Capital.	Recurring.	Total.	
1	2	3	4	5	6
<i>Agricultural Department.</i>					
15	Expansion of scientific research work in agriculture to deal with the more pressing problems of post-war agriculture.	6,37	22,27	28,64	
16	Provision of adequate staff and contingencies for conducting the district work of the Agricultural Department throughout the Province on an adequate basis to meet Post-war requirements for agricultural development.	....	20,87	20,87	
17	Establishment required by the Deputy Director of Agriculture, "Grow More Food Crops" Campaign, for Schemes relating to seed distribution and manure. (Schemes Nos. 18 to 22, and 48 and 49).	....	1,88	1,88	
	<i>(Schemes for propagation of improved seed and better farming methods.)</i>				
18	Multiplication and distribution of improved strains of different varieties of paddy in the drilled paddy tract (Dharwar and Belgaum districts) of the Bombay Province.	3,78	1,36	5,14	

Scheme No.	Scheme.	Rough cost of 5-Year Plan in thousands of rupees.			Remarks.
		Capital.	Recurring.	Total.	
1	2	3	4	5	6
19	Multiplication and distribution of improved varieties of paddy seeds in the North Konkan tract of the Bombay Province.	2,28	1,93	4,21	
20	Multiplication and distribution of Nadiad Bajri No. 207.	35	93	1,28	
21	Multiplication and distribution of seeds of improved varieties of bajri, rabi, jowar, wheat and gram in the extensive dry tract of the Bombay Deccan and Karnataka.	13,46	5,13	18,59	
22	Production of the nucleus seeds of the improved strains of important food grain crops.	1,33	1,70	3,03	
23	Expansion of district staff under the Agricultural Engineer to Government.	....	1,10	1,10	
24	Revival of Boring Section ..	1,55	6,30	7,85	
25	Research work in urgent problems connected with agricultural engineering.	6	35	41	
<i>Co-operative Department.</i>					
26	Extension of the Agricultural Debtors' Relief Act, 1939.	17	16,42	16,59	
27	Co-operative organisations for financing areas where Debt Relief Act has been introduced.			Details not yet settled.	
<i>Veterinary Department.</i>					
28	Assumption of full control of veterinary dispensaries by Government.	....	7,95	7,95	
29	Expansion of supervising staff ..	7	2,86	2,93	
30	Expansion of investigating staff and establishment of Animal Husbandry Research Station.	1,50	2,32	3,82	
31	Manufacture of sera and vaccines in the Province.	2,50	2,64	5,14	
<i>Medical and Public Health.</i>					
32	Establishment of a Medical College at Poona.	4,00	4,04	8,04	
33	Establishment of a Medical College at Ahmedabad.	11,36	4,96	16,32	
34	Appointment of Medical Practitioners of higher qualifications at district headquarters hospitals.	....	2,70	2,70	
35	Increase in the number of beds in the mofussil hospitals.	8,52	7,36	15,88	
36	Creation of the cadre of technicians for X-ray and laboratory work.	73	1,27	2,00	
37	Ambulance service to central hospitals	1,28	1,33	2,61	
38	Conversion of dispensaries into cottage hospitals.	17,85	4,27	22,12	

### STATEMENT III.

### Schemes to be introduced in Particular Areas.

Scheme No.	Scheme.	Rough cost of 5-Year Plan in thousands of rupees.			Remarks.
		Capital.	Recurring.	Total.	
1	2	3	4	5	6
<i>Agricultural Department.</i>					
48	Application of groundnut cake manure to paddy, irrigated wheat and irri- gated jowar crops.	81,40	2,44	83,84	

Scheme No.	Scheme.	Rough cost of 5-Year Plan in thousands of rupees.			Remarks.
		Capital.	Recurring.	Total.	
1	2	3	4	5	6
49	Preparation of a mixture of ammonium phosphate, bonemeal and groundnut cake and its application to potato crop.	40	45	85	
50	Extension and organisation of vegetable and fruit cultivation in suitable areas and of the supply of such produce to consumers.	2,42	6,22	8,64	
51	Scheme for extensive work in livestock improvement (cattle breeding).	3,30	2,75	6,05	
52	Scheme for the establishment of sheep breeding Sub-stations for work on the improvement of sheep and wool in (a) Khandesh (b) Ahmedabad districts.	20	45	65	
53	Scheme for extensive work in poultry breeding.	18	52	70	
54	Extension of irrigation facilities by construction of— (1) (a) Minor irrigation works .. (b) Wells. (2) Erection of pumping plants.	1,62,50	4,89	1,67,39	
<i>Co-operative Department.</i>					
55	District Industrial Associations ..	10	2,83	2,93	
56	Co-operative Creameries ..	37	78	1,15	
57	Milk Supply Unions ..	1	74	75	
<i>Forests.</i>					
58	Forest Rehabilitation .. ..	..	3,50	3,50	
59	Communications .. ..	8,11	..	8,11	
60	Forest buildings, wells, etc. ..	11,00	..	11,00	
<i>Medical and Public Health.</i>					
61	Anti-malarial Measures .. ..	4	2,10	2,14	
62	Permanent Plague Organisations ..	35	16,45	16,80	
63	Establishment of District Health Organisations in the Province of Bombay.	1,18	28,11	29,29	
<i>Industries.</i>					
64	Industrial School, Satara .. ..	1,14	39	1,53	
65	Industrial School, Hubli .. ..	1,04	91	1,95	
66	Industrial (Technical) School, Bijapur	1,04	91	1,95	
67	Fisheries (Study in Marine Biology and the establishment of an aquarium).	1,93	1,26	3,19	
68	Fisheries (Development of Inland Fisheries at Khopoli and Poona).	1,00	26	1,26	
69	Fisheries (improvement of fishing methods).	53	1,10	1,63	
70	Reorganisation of the R. C. Technical Institute, Ahmedabad.	5,81	3,41	9,22	
71	Extension of Apprentice Scheme .. ..	4,87	2,49	7,36	

Scheme No.	Scheme.	Rough cost of 5-Year Plan in thousands of rupees.			Remarks.
		Capital.	Rerunning.	Total.	
1	2	3	4	5	6

*Lalout.*

72	Extension of Payment of Wages Act and enforcement of Trade Board Minimum Wages and of compulsory standing orders in factories.	..	2,25	2,25	
73	Extension of the Bombay Industrial Disputes Act and recognition of Trade Unions.	..	1,50	1,50	
74	Labour Welfare Schemes (I to VII)	13.10	7,80	20,90	
	<i>Public Works Department</i>				
75	Buildings (all Departments)	2,90,00	5,35	2,95,35	
76	Irrigation Schemes	5,50,00	25,00	5,75,00	
77	Public Health Projects	1,46,00	6,15	1,52,15	
	<i>Total</i>	12,88,11	1,34,01	14,22,12	

## STATEMENT IV.

## Schemes to be introduced in concentrated areas.

Scheme No.	Scheme.	Rough cost of 5-Year Plan in thousands of rupees.			Remarks.
		Capital.	Rerunning.	Total.	
1	2	3	4	5	6

*Agricultural Department.*

78	Establishment of Rural Development Headquarters in selected districts.		Details not yet settled.		
79	Establishment of taluka demonstration centres in selected villages.	1,30	6,06	8,26	
80	Introduction of improved agricultural implements and machines.	4,75	9,61	14,36	
81	Land Development and Improvement (Scarcity Areas).	4,79,35	1,03,55	5,83,20	
82	Land Development and Improvement (heavy rainfall areas).	24,30	9,01	33,31	

*Co-operative.*

83	Marketing Development work, viz., (i) Regulated markets, and (ii) Co-operative marketing	..			
84	Societies for consolidation of holdings	1,13	2,82	3,95	

Scheme No.	Scheme.	Rough cost of 5-Year Plan in thousands of rupees.			Remarks.
		Capital.	Recurring.	Total.	
1	2	3	4	5	6
<i>Veterinary.</i>					
85	Maintenance of veterinary dispensaries in each taluka and peta.	1,82	9,45	11,27	
86	Conversion of certain number of stationary veterinary dispensaries into itinerating veterinary dispensaries.	1,20	2,33	3,53	
87	Extension of dipping operations ..	25	45	70	
<i>Forests.</i>					
88	Improvement of denuded areas ..	22,46	4,78	27,24	
<i>Medical and Public Health.</i>					
89	Conversion of dispensaries into cottage hospitals.	16,80	3,95	20,75	
90	Subsidised medical practitioners ..	....	2,49	2,49	
91	Appointment of Nurse Midwives ..	....	44	44	
92	Improved sanitation and drainage in bigger villages and towns.			Details not yet settled.	
93	Improvement in village water supply ..	50,00	....	50,00	
94	Child Welfare and Maternity Centres ..	50	12,60	13,10	
95	Establishment of two more Health Units in the Province on the basis of the Health Unit at Sirur.	5	1,63	1,68	
<i>Education.</i>					
96	Training of primary teachers for employment in concentrated areas.	80	16,84	17,64	
97	Opening of hostels for girls ..	10	2,22	2,32	
98	Agricultural Bias Schools ..	20	5,60	5,80	
99	Additional primary schools to be opened in schoolless villages.	....	9,95	9,95	
100	Provision of Play-grounds and school farms.	5,00	....	5,00	
101	Opening of 4 more Agricultural High Schools.	1,40	3,86	5,26	
102	Technical High Schools ..	2,00	3,60	5,60	
103	Introduction of free and compulsory elementary education in concentrated areas.	3,00	68,04	71,04	
104	Construction of buildings for full grade primary schools in the concentrated areas.	1,60,00	....	1,60,00	
105	Strengthening of Inspecting staff ..	11	7,89	8,00	
106	Medical Inspection and treatment of school children.	1,00	17,50	18,50	
107	Supply of Mid-day meals to primary school children in one taluka in Ratnagiri district.	....	12,00	12,00	
<i>Industries.</i>					
108	Cottage Industries ..	97	8,07	9,04	
109	Publicity and Propaganda Scheme ..	5	54	59	
110	Headquarters staff for planning and execution of all schemes.	6	2,91	2,97	

Scheme No.	Scheme.	Rough cost of 5-Year Plan in thousands of rupees.			Remarks.
		Capital.	Recurring.	Total.	
1	2	3	4	5	6
<i>Village Amenities.</i>					
111	Club Houses and Gymnasium for soldiers				
112	Libraries and reading rooms	..		50	50
113	Village Chavdis	..		9,20	9,20
114	Buildings for hostels for children of Indian soldiers.				Cost not yet estimated.
<i>Public Works Department.</i>					
115	(i) District Roads	..			District and village roads will also be constructed in areas other than concentrated areas. The allocation of funds for this purpose between the other areas and concentrated areas should be in the proportion of 50: 50 in the case of district roads and 25: 25 in the case of village roads (Scheme No. 43 (c).)
	(ii) Village Roads.				
	Total	..	7,88,34	3,33,51	11,21,88
	Grand Total	..	41,56,77	7,25,35	48,82,12
Deduct estimated capital expenditure on buildings (Scheme No. 75) as this amount has also been included in different schemes					
		..	..	..	—2,00,00
					45,82,12

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**SPECIAL PRIORITY SCHEMES.**

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## SCHEME No. 1.

1. *Department.*—Agricultural.
2. *Scheme.*—Expansion of agricultural education, particularly Agricultural College, Poona.
3. *Brief description of the scheme.*—(a) The scheme provides for increased facilities, i.e. buildings, staff, equipment, contingent expenditure, etc., to enable 150 students to be admitted to the Agricultural College, Poona, annually, instead of approximately 100 as at present. After a period of three years, this increase will provide from 70-80 agricultural graduates (B.Sc. Agric.) annually instead of approximately 40 per annum under present arrangements.  
(b) The scheme provides also for the establishment of a Diploma Course in Agriculture for the training of non-graduates in agriculture and allied sciences on an essentially practical basis. The course will last for 12 months and 75 students will be trained during each course. In addition, a similar training course for 75 kamgars will be given at the same centre, viz. the Manjri Training Centre, Poona, which will become an annex of the Poona Agricultural College for this purpose.
4. *Areas selected for application.*—The work will be carried out at the Agricultural College, Poona, and other departmental institutions but the increased staff made available as the result of the training will be utilised over the whole Province.
5. *Other Departments concerned.*—Public Works Department.
6. *Upper staff for planning and/or execution of the scheme*—

*A. Expansion of Agricultural College.*

- (a) 10 Graduates (Senior).
- (b) 17 Graduates (Junior).

*B. Diploma Course for Agricultural Assistants and Kamgars.*

- (a) 1 B.A.S. Class II officer.
- (b) 1 Graduate (Senior).
- (c) 5 Graduates (Junior).

*7. Lower staff for planning and/or execution—*

- (1) (a) 13 Laboratory Assistants (non-graduates).
- (b) 13 Field Assistants (non-graduates).

*Clerical and Office staff.*

- (a) 3 Senior clerks.
- (b) 4 Junior clerks.
- (c) 13 Peons.

- (2) (a) 11 Field Assistants (non-graduates).
- (b) 4 Field and Laboratory boys.

*Clerical and Office staff.*

- (a) 3 Junior clerks.
- (b) 4 Peons.

8. *How staff to be obtained.*—The staff required for the items of work proposed in this scheme will have to be found from the existing cadres of the Agricultural Department as experienced men will be required for training purposes. Direct recruitment will be possible only in regard to the lower staff and clerical and office staff.

9. *Rough estimates of cost at existing rates for each year of the first five-year Plan:—*

Item.	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(1) Expansion of Agricultural College, Poona—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Capital	..	6,00,000	4,00,000	20,000	..	10,20,000
Recurring	..	1,05,000	1,16,000	1,36,000	1,41,000	6,42,000
						16,02,000
(2) Diploma Course for Agricultural Assistants and Kamgars—						
Capital	..	3,00,000	..	..	..	3,00,000
Recurring	..	67,000	68,000	70,000	71,000	3,49,000
						6,49,000
Total { Capital .. 9,00,000 4,00,000 20,000 .. 2,12,000 .. 13,20,000						
{ Recurring .. 1,72,000 1,84,000 2,06,000- 2,17,000 .. 9,91,000						
						23,11,000

10. *To what extent is the scheme productive and/or cost recoverable.*—The expansion of the Agricultural College, proposed under item (1), is estimated to increase income of the College by about Rs. 40,000 over a 5-year period. There will be income from both the other items, e.g. from farm produce, etc., and from such fees as Government may decide to charge the trainees. The amounts, however, will not be appreciable.

11. *Nature of material, machinery, etc., needed from—*

(a) *abroad.*—Special apparatus needed for instructional purposes at the Agricultural College, e.g. microscopes, incubators, frigidaires, etc., books, etc.

(b) *locally.*—Other material, etc., needed can be obtained locally.

12. *Any other remarks or information.*—Orders have been issued for the employment of additional teaching staff at the College but proposals for the construction of additional buildings are being considered by the P. W. D. in consultation with the Dir. In the meantime two bungalows have been requisitioned for the accommodation of additional students attached to the College this year.

## SCHEME No. 2.

1. *Department.*—Agricultural.

2. *Scheme.*—Establishment of suitably equipped and staffed centres for instruction and training of staff required for Post-war agricultural development including the establishment or expansion of centres for training the staff for the bunding and dry-farming programme.

3. *Brief description of the scheme.*—Annually 200 students will be trained in land development and 100 in dry-farming methods.

A training centre at Manjri has already been started to train annually 75 agricultural assistants and 75 kamgars in the technique of rural development and the trainees will be absorbed after completion of their training in the Agricultural Department as agricultural assistants and kamgars.

Two other Agricultural Training Centres at Dhulia and Devihsur for training 26 agricultural assistants and 26 kamgars have also been started and the trainees will be absorbed in the Agricultural Department.

4. *Areas selected for application.*—The trained staff will be utilised throughout the Province.

5. *Other departments concerned.*—Public Works Department.

6. *Upper Staff for planning and/or execution of the scheme.*—The following staff required for the Land Development Training Centre at Bijapur has already been included in the Land Development Section of the Agricultural Department:—

*Upper Staff.*

One Superintendent.

Three Senior Surveyors.

Three Assistant Senior Surveyors.

Four Bunding Sub-Overseers.

One clerk.

*Lower Staff.*

Eight Khalasis.

Five peons.

7. *Lower staff for planning and/or execution of the scheme.*—The staff required for the Sholapur Dry-Farming Centre is as follows:—

*Upper Staff.*

One Senior Agricultural Officer.

One Agricultural Officer.

Two Agricultural Officer Instructors.

Four Agricultural Assistants.

One clerk.

*Lower Staff.*

Two peons.

Two mukadams.

8. *How staff to be obtained.*—From the existing departmental cadres.

9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan :—*

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital*	1,60,550	..	..	..	..	1,60,550
(b) Recurring (for Bijapur and Sholapur Centres)—						
(a) Pay of establishment ..	29,784	31,008	32,832	34,056	35,880	1,63,560
(b) Allowances of the staff ..	39,224	39,224	39,224	39,224	39,224	1,96,120
(c) Contingencies ..	17,760	17,760	17,760	17,760	17,760	88,800
Recurring expenditure for—						
Manjri .. ..	61,860	61,860	61,860	61,860	61,860	3,09,300
Dhulia .. ..	26,366	26,366	26,366	26,366	26,366	1,31,830
Devihosur .. ..	27,764	27,764	27,764	27,764	27,764	1,38,820
Total ..	3,63,308	2,03,982	2,05,806	2,07,030	2,08,854	11,88,980

\*For Sholapur Centre only.

10. *To what extent is the scheme productive and/or cost recoverable.*—Non-productive.

11. *Nature of material machinery, etc., needed from—*

(a) *abroad.*—Surveying instruments, etc.

(b) *locally.*—Tools for digging and dry-farming implements.

12. *Any other remarks or information—*

## SCHEME No. 3.

1. *Department.*—Agricultural.
2. *Scheme.*—Scheme for the preliminary training and work necessary for the execution of the scheme for extensive work in livestock improvement.
3. *Brief description of the scheme.*—(1) To organise 60 "Supplementary Breeding Centres" for the production of breeding stock and for the improvement of the Khillar, Amrit Mahal and Kankrej breeds of cattle. Over a period of 5-years, 60 such centres will be established, each centre consisting of 5 villages. In each centre 50 selected cows and 5 breeding bulls will be placed with approved cultivators on specific conditions framed to ensure the use of the progeny for further distribution. 12 centres will be organised annually and the work will be under close departmental supervision. At present, this type of work is confined to the issue of "Premium Bulls" and "Premium Cows" in specified breeding areas.
- (2) To intensify the "Premium Bull" and "Premium Cow" schemes in the Province. At present, about 200 bulls and 300 cows are being given out annually under the (Premium) schemes. It is proposed to increase the annual issue of "Premium Bulls" and "Premium Cows" to 400 and 1,200 per annum respectively by the end of a 5-year period.
- (3) To intensify the district work of the Livestock Section of the Agricultural Department especially in connection with demonstration and propaganda towards the production and storage of fodder by scientific methods and on a much increased scale, by distribution of seed of improved fodder crops, construction of silo pits, etc., and the expansion of arrangements for periodic district cattle shows and cattle rallies.
- (4) To augment the supervisory and district staff of the Livestock Section of the Agricultural Department to ensure that the items of the Livestock Extension Scheme given above are carried out efficiently and satisfactorily and to provide an adequate staff for the normal increase in the post-war activities of the Section in connection with livestock improvement. It is proposed to appoint 4 Divisional Superintendents of Cattle Breeding in Class II of the Bombay Agricultural Service and to increase the present number of Agricultural Officers in charge of Cattle Breeding, i.e., 14 to 19 so as to provide one such officer per district.

4. *Areas selected for application.*—Whole Province particularly those suitable for different types of cattle.

5. *Other Departments concerned.*—Revenue. Public Works and Co-operative Departments.

6. *Upper staff for planning and/or execution of the scheme—*

*Upper staff—*

*(a) Gazetted staff—*

(1) Class II, B. A. S.—

4 Divisional Inspectors of Cattle Breeding.

*(b) Non-gazetted staff—*

(1) 8 District Officers in charge of Cattle Breeding and Farm Managers.

There is no necessity for any distinction between staff required for (a) preparation of plans and estimates and (b) execution of the scheme. The staff mentioned above will deal with both these functions.

7. *Lower staff for planning and/or execution of the scheme—*

*Lower staff—*

*(a) Non-graduate but trained—*

(1) 5 Agricultural Assistants.

(2) 71 Cattle Kamgars.

*Clerical and office staff—*

- (1) 10 Senior clerks.
- (2) 28 Junior clerks.
- (3) 18 Peons.

The staff requirements mentioned above are based upon a programme of livestock extension work over a period of 5-years. The staff noted above is in addition to the existing staff of the Livestock Section of the Agricultural Department.

8. *How staff to be obtained.*—Senior gazetted staff will be obtained by promotion within the cadre of the Livestock Section.

Non-gazetted senior staff will be directly recruited from the Agricultural College, etc.

Lower (technical staff) will be provided partly by promotion of suitable existing staff to posts of Agricultural Assistants and by direct recruitment and training on Government Cattle Farms of suitable persons for cattle kamgars.

Clerical and office staff will be obtained by promotion of existing staff to senior posts and by direct recruitment to junior clerks' posts and of peons.

9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan—*

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Item (1)—Capital *	..	76,000	76,000	76,000	76,000	3,80,000
Recurring †	..	13,000	26,000	39,000	52,000	1,95,000
Item (2)—Recurring	..	58,000	70,000	82,000	94,000	4,10,000
Item (3)—Recurring	..	16,000	18,000	20,000	22,000	1,00,000
Item (4)—Recurring	..	27,000	43,000	44,000	45,000	2,05,000
					Capital ..	3,80,000
					Recurring ..	9,10,000
					Total ..	12,90,000

\* Provides for 50 per cent. of cost of animals supplies to Supplementary Breeding Centres, the remaining 50 per cent. to be recovered from the persons to whom such animals are allotted.

† Provides for maintenance charges in accordance with existing rules under "Premium Bull" and "Premium Cow" Schemes and cost of cattle kamgars (one per centre).

10. *To what extent is the scheme productive and/or cost recoverable.*—The scheme is essentially productive in that it will increase rapidly and extensively the stocks of well-bred cattle in the areas in which it is proposed to operate and, in addition, will grade up ordinary village cattle by the provision of good breeding stock. The scheme will produce many young breeding animals for distribution in other areas.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—Dairy equipment, e.g., cream separators, butter churns, etc. Sheep shearing equipment.

(b) *Locally.*—Agricultural implements, veterinary instruments, incubators, byrex equipment, e.g., pails, chains, ropes, etc., grass drying plant, etc. Wire-netting (for poultry farms). Building materials, etc.

12. *Any other remarks or information.*—The scheme has been approved generally and the Director asked to start the scheme and to furnish details of the recurring and non-recurring cost involved.

## SCHEME No. 4.

*Scheme for the Vocational Training for Soldiers.*

A scheme for the training of military instructors at the three Training Centres at Belgaum, Deolali and Kirkee is under the consideration of Government. Under this scheme 20 selected soldiers will undergo preliminary general course in Agriculture, Co-operation and Public Health for 4 to 6 weeks at the Training Centre and thereafter each trainee will, according to his aptitude, be sent for a specialised short-term course of about 3 months to one or other of the existing civil institutions which impart intensive training in either bunding or dry farming or poultry keeping, etc. Those who are properly qualified and show special aptitude may be detained for a long term course. It is also proposed in connection with this scheme to set up Small Rural Exhibitions and establish Demonstration Agricultural Plots at these Training Unit Centres.

The details of this scheme are being worked out.

## SCHEME No. 5.

1. *Department.*—Agricultural.
2. *Scheme.*—Training of Horticultural staff.
3. *Brief description of.*—One training class exists at the G. F. E. St. Kirkee. Three more are to be started each for training 50 students.
4. *Areas selected for application.*—Whole of the Province.
5. *Other Departments to be consulted.*—1. Revenue Department. 2. Co-operative Department.
6. *Upper staff for planning and/or execution of the Scheme.*—Three graduates—one for each centre.
7. *Lower staff for planning and/or execution of the scheme.*—3 Agricultural Assistants—one for each centre. 3 Malis—one for each centre.
8. *How staff to be obtained.*—

*Upper staff.*—Agricultural graduates to be employed by direct recruitment or promotion.

*Lower staff.*—To be obtained from men trained in existing training centres.

9. *Rough estimates of cost at existing rates for each year of the first five-year plan :—*

—	1st, year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital (Buildings and equipment).	1,58,000	..	..	..	..	1,58,000
(b) Recurring .. ..	6,960	7,170	7,572	7,788	8,184	37,674
Total ..	1,64,960	7,170	7,572	7,788	8,184	1,95,674

10. *To what extent is the scheme productive and/or cost recoverable.*—
11. *Nature of materials, machinery, etc. needed from—*
  - (a) *abroad.*—Nil.
  - (b) *locally.*—Grafting and budding knives, Secateurs, pruning knives, etc.
12. *Any other remarks or information.*—The details of the scheme have not yet been approved by Government.

## SCHEME No. 6.

1. *Department.*—Agricultural.
2. *Scheme.*—Expansion of the Headquarters staff of the Agricultural Engineer to Government.
3. *Brief description of the scheme.*—An increase in the staff, contingencies, etc., of the office of the Agricultural Engineer to Government is of prior importance in order to enable that office to undertake rapidly and efficiently the preliminary work connected with other schemes of post-war rural development under the Agricultural Department, e.g., preparation of plans and estimates for constructional works, etc., and to supervise their execution.
4. *Areas selected for application.*—Headquarters of the Agricultural Engineer to Government, i.e., the Agricultural College, Poona. The effects, results, etc. of the work proposed under this item will be valuable over the whole Province.
5. *Other Departments concerned.*—Nil.
6. *Upper staff for planning and/or execution of the scheme.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) Class II, B.A.S.	..	2	..	..	..	2
(b) Technical Staff—						
(a) Overseers (130—10—250)	2	..	..	..	..	2
<b>7. Lower Staff.</b> —						
A. Technical Staff—						
(a) Draftsman (90—4—130)	2	..	..	..	..	2
(b) Tracers (35—5/2—80)	..	2	..	..	..	2
B. Clerical and Office Staff—						
(a) Senior clerk (Rs. 80—5/2—95)	1	..	..	..	..	1
(b) Junior clerk (25—5/2—55)	2	..	..	..	..	2
(c) Peons (Rs. 17)	4	..	..	..	..	4

8. *How staff to be obtained.*—Some by promotion within the existing cadres under the Agricultural Engineer and the rest by direct recruitment.

9. *Rough estimates of cost at existing rates for each year of the first five year.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(A) Capital	40,000	20,000	..	..	..	60,000
(B) Recurring	..	19,000	20,000	21,000	21,000	22,000
Total ..	59,000	40,000	21,000	21,000	22,000	1,63,000

10. *To what extent the Scheme is productive and/or cost recoverable.*—The scheme is not directly productive and the cost is not recoverable.

11. *Nature of materials, machinery etc., needed from—*

- (a) *Abroad.*—Nil.

- (b) *Locally.*—Office furniture.

12. *Any other remarks or information.*—This work is of prior importance and its provision is necessary precedent to other schemes for preparation of plans and estimates of constructional works, etc., included in the post-war development programme of the Agricultural Department.

- (2) The details of the scheme have not yet been finally approved by Government.

## SCHEME No. 7.

1. *Department.*—Co-operative.
2. *Scheme.*—Training of staff.
3. *Brief description of the scheme.*—It is proposed to establish a full-fledged training centre at Poona with a view to provide training to the staff which is required to be appointed for planning and execution of the various schemes under post-war reconstruction which have been separately proposed. The staff to be trained at this centre would consist, among others, of :—

- (1) Assistant District Co-operative Officers to be appointed under the scheme for co-operative organisations for financing areas where the Debt Relief Act has been brought into operation.
- (2) Managers for sale organisations.
- (3) Additional marketing staff for development of co-operative marketing.
- (4) District Co-operative Officers and Sub-Auditors to be recruited hereafter.
- (5) Supervisors of Supervising Unions (with the increase in the number of societies, there will be a corresponding increase in the number of supervising unions with a consequent increase in the number of supervisors).
- (6) Secretaries of Regulated Markets.

It is difficult at this stage to state whether one central school at Poona would be in a position to train all the staff and it may be necessary at a later stage to establish two more sub-centres—one at Dharwar and the other at Surat especially for the training of those members of the staff, who only know regional languages. The staff proposed to be trained at Poona would be manned by the staff indicated in column 7.

4. *Areas selected for application.*—
5. *Other Departments concerned.*—Department of Industries, Agriculture and Revenue, according to the needs of the staff requiring training.
6. *Upper staff for planning and/or execution of scheme.*—One Assistant Registrar in the grade of Rs. 235—500 plus special pay of Rs. 75 per mensem.
7. *Lower staff for planning and/or execution of schemes*—
  - (1) One Senior Inspector in the grade of Rs. 180—10—270.
  - (2) Two Junior Inspectors in the grade of Rs. 135—5—180.
  - (3) One clerk in the grade of Rs. 25—5/2—55.
  - (4) Three peons on Rs. 18 per mensem.
8. *How staff to be obtained.*—By appointment of suitable persons in the Department.
9. *Rough estimates of cost at existing rates for each year of the first five year plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total:
(a) Capital ..	Rs. 2,000	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. 2,000
(b) Recurring ..	26,248	27,668	28,148	21,568	22,048	1,26,680
Total ..	28,248	27,668	28,148	21,568	22,048	1,28,680

10. *To what extent is the scheme productive and/or cost recoverable.—*
11. *Nature of materials, machinery, etc. needed from—*
  - (a) *abroad, and—*
  - (b) *locally—*
12. *Any other remarks or information.—* In this scheme, provision is made for a money grant of Rs. 20,000 to be given to supervising unions to meet the cost of substitute supervisors for the period their supervisors undergo training at the centre.  
(2) The estimated cost on account of the scheme works out at Rs. 1,28,680, but as it may be necessary to establish two more sub-centres and provide also for refresher courses etc., an allotment of Rs. 2 lacs may be made. It would also be necessary to train some other staff, e.g. staff for the scheme under consolidation of holdings ; the cost on this account is provided for under that scheme.

## SCHEME No. 8.

1. *Department*.—Civil Veterinary.
2. *Scheme*.—Expansion of the Bombay Veterinary College.
3. *Brief description of the scheme*.—It is proposed to expand the College by the admission of 50 additional students every year in order to meet modern requirements in Veterinary Training.
4. *Areas selected for application*.—Bombay.
5. *Other Departments concerned*.—Public Works Department.
6. *Upper staff for planning and/or execution of the scheme*—
  - 4 Class I Officers.
  - 1 Class II Officer.
7. *Lower staff for planning and/or execution of the scheme*—
  - 1 Librarian.
  - 5 Laboratory Assistants.
  - 5 Laboratory Attendants.
8. *How staff to be obtained*.—By direct recruitment as available.
9. *Rough estimate of cost at existing rates for each year of the first five-year plan*.—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital ..	1,50,000					1,50,000
(b) Recurring ..	50,480	71,120	91,700	93,080	94,520	4,00,000
Total ..	2,00,480	71,120	91,700	93,080	94,520	5,50,000

10. *To what extent is the scheme productive and/or cost recoverable*.—Non-productive.

11. *Nature of materials, machinery, etc., needed from*—

(a) *abroad*—Laboratory equipment, X-Ray apparatus, etc., Instruments, etc.

(b) *locally*.—

12. *Any other remarks or information*—This is a Special Priority Scheme and Government has sanctioned the following concessions to new students for 3 years from 1944-45:—

(1) Exemption from payment of college and examination fees.

(2) Offer of 60 scholarships of which 30 should be at Rs. 40 per mensem, 15 at Rs. 30 per mensem and 15 at Rs. 20 per mensem.

(3) Supply of text books and any equipment required by the students at half cost.

The scale of pay for Veterinary Assistant Surgeons has also been revised in this Province with effect from 1st April 1944. The revised scale is Rs. 60—5—110—E.B.—5—160 with a selection grade of Rs. 170—10—200 for 10 per cent of the total number of posts.

2. The details of the scheme have not yet been finally approved by Government.

## SCHEME No. 9.

1. *Department.*—Public Health.

2. *Scheme.*—Training of subsidised Medical Practitioners in Sanitary and Public Health work.

3. *Brief description of the scheme.*—The object of this scheme are (1) to give a short course of instructions to the subsidised Medical Practitioners in Sanitary and public health work and to induce them to qualify as Sanitary Inspectors and (2) augment the resources at the disposal of Government in fighting and preventing epidemics.

4. *Areas selected for application.*—All areas of the Province.

5. *Other Departments concerned.*—Director of Public Health, Public Works Department.

6. *Upper staff for planning and/or execution of the scheme.*—Nil.

Three subordinates medical officers to be deputed from the Public Health Department every year.

7. *Lower staff for planning and/or execution of the scheme.*—Nil. Three Sanitary orderlies.

8. *How staff to be obtained.*—Three subordinate medical officers will be deputed from the Public Health Department every year. Substitutes to act in their places will be obtained locally or by advertisement. Sanitary orderlies will be obtained locally.

9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	3,05,000	..	..	..	3,05,000
(b) Recurring	..	2,600	2,600	2,600	2,600	13,000
Total ..	3,07,600	2,600	2,600	2,600	2,600	3,18,000

10. *To what extent is the scheme productive and/or cost recoverable.*—The scheme is in the interest of the health of the rural population.

11. *Nature of material, machinery, etc., needed from—*

(a) *abroad.*—Nil.

(b) *locally.*—Inoculation outfit, materials required for purifying water, models, charts, sprays bore hole latrine equipment, slides, bottles for samples, sundries and stationery.

12. *Any other remarks or information.*—The Subsidised Medical Practitioners with their scanty knowledge of public health, even though trained in the proposed rural sanitary class for 5 months cannot do the work expected of the sanitary officers or health officers. However, they will be useful to supplement the work of inoculation, vaccination and disinfection, to be done, when epidemics break out by the permanent members of the District Public Health staff in each district which will be responsible for preventive health work.

Returned soldiers who will be found fit to follow the lectures will be admitted to the class with a view to their being appointed as Sanitary Inspectors and Sub-Inspectors in the Districts.

The question of the expansion of the existing facilities for the training of more health officers, Sanitary Inspectors, etc., is under consideration.

## SCHEME No. 10.

1. *Department.*—Medical.
2. *Scheme.*—Improvement in medical education at the Grant Medical College, Bombay.

3. *Brief description of the scheme.*—In order to improve the examination results of the students of the Grant Medical College, Bombay, and to produce efficient doctors, it is proposed to entertain full-time teaching staff in place of the present honorary staff in clinical subjects so that they can devote their whole attention to teaching and research.

4. *Areas selected for application.*—Bombay.

5. *Other Departments concerned.*—

6. *Upper staff for planning and/or execution of the scheme.*—

1 Professor of Medicine on Rs. 1,400—40—2,000.

1 Professor of Clinical Medicine on Rs. 1,200—40—1,800.

1 Professor of Surgery on Rs. 1,400—40—2,000.

1 Professor of Clinical and Operative Surgery on Rs. 1,200—40—1,800.

2 Registrars on Rs. 250 each.

3 Honorary Physicians on Rs. 100 per mensem each.

3 Honorary Assistant Physicians on Rs. 85 per mensem each.

3 Honorary Surgeons on Rs. 100 per mensem each.

3 Honorary Assistant Surgeons on Rs. 85 per mensem each.

10 Housemen on Rs. 50 each.

7. *Lower staff for planning and/or execution of the scheme.*—

8. *How staff to be obtained.*—The staff will be recruited from the available local sources, by inviting applications through advertisement without restriction as to race or domicile, as it is important to secure the best men available regardless of their origin especially for the posts of Professors.

9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital						
(b) Recurring	..	*50,080	*52,000	*53,920	*55,840	*57,760
Total	..	50,080	52,000	53,920	55,840	57,760
						2,69,600

\* This represents the net additional expenditure on account of the entertainment of the full-time staff—in place of the part-time staff at the Grant Medical College, Bombay. The net expenditure is arrived at as follows for the 1st year:—

Rs. 87,720 (full-time staff)	..	—Rs. 37,640
(existing part-time staff)	..	=Rs. 50,080

10. *To what extent is the scheme productive and/or cost recoverable.*—

11. *Nature of material, machinery, etc., needed from—*

(a) abroad :—

(b) locally :—

12. *Any other remarks or information.*—Although this scheme is included in the list of Post-war schemes, it is proposed to put the scheme into effect immediately in view of its urgency, as more and better doctors are required.

## SCHEME No. 11.

1. *Department.*—Medical.
2. *Scheme.*—College of Nursing at Satara.
3. *Brief description of the scheme.*—It is proposed to establish a College of Nursing at Satara with effect from 1st April 1945 for training 60 students per annum (15 students for each course of 3 months). The College will serve as a preliminary training school for the several hospitals which are recognised by the Bombay Nurses, Midwives and Health Visitors' Council as centres for training nurses.
4. *Areas selected for application.*—Marathi speaking districts.
5. *Other Departments concerned.*—
6. *Upper staff for planning and/or execution of the scheme.*—
  - 1 Lady Superintendent on Rs. 220—25/2—320 (*plus* uniform allowance of Rs. 72 per annum).
  - 1 Assistant Lady Superintendent on Rs. 100—10—150 *plus* uniform allowance of Rs. 72 per annum.
  - 1 House and Linen Keeper on Rs. 60—5—80 *plus* uniform allowance of Rs. 40 per annum.
  - 1 Clerk on Rs. 25—5/2—55.
7. *Lower staff for planning and/or execution of the scheme.*—
  - 2 Hamals on Rs. 14 per mensem each.\*
  - 1 Sweeper on Rs. 11 per mensem.\*
  - 1 cook on Rs. 14 per mensem.\*
  - 2 Table servers on Rs. 11 per mensem each.\*
  - 1 cook's mate on Rs. 11 per mensem.\*

\*with House Rent allowance of Rs. 2 per mensem each.
8. *How staff to be obtained.*—To be recruited from outside sources by advertisement.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) Capital	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(b) Recurring	..	*6,000	..	..	..	6,000
	..	†23,810	24,134	24,558	24,882	25,206
Total	..	29,810	24,134	24,558	24,882	25,206
						1,22,590
						1,28,590

\*For equipment.

†This includes expenditure on account of stipends to students, lecture fees, messing charges, contingencies, rent for building, pay and allowances of the staff, etc.

10. *To what extent is the scheme productive and/or cost recoverable.*—

11. *Nature of material, machinery, etc., needed from—*

(a) abroad.—

(b) locally.—

12. *Any other remarks or information.*—

(i) The building with an estimate of Rs. 1,00,000 required for the College is being included in the Public Works Department Scheme No. 75 regarding building works.

(ii) It has been decided to treat the scheme as a Special Priority Scheme and to put into effect from 1st April 1945.

## SCHEME No. 12.

1. *Department.*—Education.
2. *Scheme.*—Expansion of the College of Engineering, Poona.
3. *Brief description of the scheme.*—Government has decided that with effect from June 1944, extra students should be admitted every year to the degree courses at the College of Engineering, Poona, as shown below in order to meet the P. W. D. demand for trained staff:—

					No. of extra annual admissions.
Civil Engineering Course	..	..	..	..	40
Mechanical Engineering Course	..	..	..	..	5
Electrical Engineering Course	..	..	..	..	5
					—
					50

It has also been decided that 50 extra students should be admitted to the civil side of the diploma classes at the College of Engineering from June 1944.

4. *Areas selected for application.*—Poona.
5. *Other Departments concerned.*—Public Works Department.
6. *Upper staff for execution of the scheme.*—Vide attached statements I, II and III.
7. *Lower staff for execution of the scheme.*—Vide attached statements I, II and III.
8. *How staff to be obtained.*—By promotion in the Department or recruitment by advertisement.
9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan.*—

	1st year <sup>2</sup> 1944-45.	2nd year 1945-46.	3rd year 1946-47.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	4,56,500	1,53,000	33,000	2,75,000†	9,17,500
(b) Recurring	..	38,400	1,13,000	1,17,000	1,17,000	5,02,400
Total	..	4,94,900	2,66,000	1,50,000	5,09,000	14,10,900*

\*This expenditure is likely to increase by Rs. 25,000 which is the estimated cost of constructing a common room for the staff and students of the College. The need for this work is being examined and it may be sanctioned during the current year if Government is satisfied on this point.

†These buildings are to be constructed after the war.

10. *To what extent is the scheme productive and/or cost recoverable.*—Fees from extra students:—

	Rs.
1st year	20,000
2nd year	40,000
3rd year	60,000
4th year	90,000
5th year	90,000
Total ..	3,00,000

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—} The equipment required is to be obtained through the Central  
(b) *Locally.*—} Stores Purchase Organisation of Government.

12. *Any other remarks or information.*—The Director of Public Instruction has been asked to furnish Government as soon as possible with comparative statements of the existing staff, contingent grants, etc., of the College and the additions to them needed owing to the proposed expansion of the College during the years 1944-45, 1945-46 and 1946-47, with full justifications for the additions. The proposals of the Director of Public Instruction are still awaited.

## STATEMENT I.

*Extra staff required due to Revision of Courses during 1944-45.*

Department.	Staff.
1. Workshops ..	One Assistant Lecturer (Rs. 135—8—215). Average pay Rs. 190. One Skilled Artisan Grade I (Rs. 70—5—100). Average pay Rs. 93. One Machine Attendant (Rs. 20—1—30). Average pay Rs. 23.3.
2. Civil Engineering ..	Two Assistant Lecturers (Rs. 135—8—215). Average pay Rs. 190. One Laboratory Attendant (Rs. 20—1—30). Average pay Rs. 23.3.
3. Applied Mechanics and Mathematics.	One Lecturer Class II (Rs. 170—10—250—E.B.—15—500). Average pay Rs. 325.
4. Mechanical Engineering ..	One Assistant Lecturer (Rs. 135—8—215). Average pay Rs. 190. One Draftsman (Rs. 200—10—300). Average pay Rs. 250. One Machine Attendant (Rs. 20—1—30). Average pay Rs. 23.3.
5. Electrical Engineering ..	One Machine Attendant (Rs. 20—1—30). Average pay Rs. 23.3. One Assistant Lecturer in Electrical Engineering (Rs. 135—8—215). ....
6. Geology (Metallurgy)	....
7. Office	One Clerk (Rs. 25—5/2—55). One hamal at Rs. 16.

## STATEMENT II.

*Extra staff required due to 50 additional admissions to the Degree courses during 1944-45.*

Department.	Staff.
1. Workshops ..	One Assistant Lecturer (Rs. 135—8—215). Average pay Rs. 190. One Skilled Artisan, Grade I (Rs. 70—5—100). Average pay Rs. 93. One Mechanic Attendant (Rs. 20—1—30). Average pay Rs. 23.3.
2. Civil Engineering ..	One Demonstrator (Rs. 135—8—215). Average pay Rs. 190. One Curator (Rs. 65—3/2—95). One Machine Attendant (Rs. 20—1—30). Average pay Rs. 23.3.
3. Applied Mechanics and Mathematics.	One Assistant Lecturer (Rs. 135—8—215). Average pay Rs. 190. One Machine Attendant (Rs. 20—1—30). Average pay Rs. 23.3.
4. Mechanical Engineering ..	One Assistant Lecturer (Rs. 135—8—215). Average pay Rs. 190. One Skilled Artisan, Grade I (Rs. 70—5—100). Average pay Rs. 93. One Machine Attendant (Rs. 20—1—30). Average pay Rs. 23.3.

STATEMENT II—*contd.*

Department.	Staff.
5. Chemistry and Geology ..	One Laboratory Assistant (Rs. 20—1—30). Average pay Rs. 23·3.
6. Electrical Engineering ..	One Assistant Lecturer (Rs. 135—8—215). Average pay Rs. 190. One Skilled Artisan (Rs. 70—5—100). Average pay Rs. 93. One Machine Attendant (Rs. 20—1—30). Average pay Rs. 23·3.
7. Office and Library ..	One Clerk (Rs. 25—5/2—55). One Library Assistant (Rs. 25—5/2—55—5—80). Average pay Rs. 50. One Hamal at Rs. 16 per mensem.

## STATEMENT III.

*Extra staff required due to 50 additional admissions the Diploma Course in Civil Engineering during 1944-45.*

Department.	Staff.
1. Workshops ..	One Skilled Artisan, Grade I (Rs. 70—5—100). Average pay Rs. 93. One Machine Attendant (Rs. 20—1—30). Average pay Rs. 23·3.
2. Civil Engineering ..	One Demonstrator (Rs. 135—8—215). Average pay Rs. 190. Two Survey Instruments Attendants (Rs. 20—1—30). Average pay Rs. 23·3.
3. Mechanical Engineering ..	....
4. Applied Mechanics and Mathematics.	....
5. Electrical Engineering ..	One Laboratory Assistant (Rs. 20—1—30). Average pay Rs. 23·3.
6. Chemistry and Geology ..	One Laboratory Assistant (Rs. 20—1—30). Average pay Rs. 23·3.
7. Office ..	....

## SCHEME No. 13.

1. *Department.*—Educational.
2. *Scheme.*—Training of Primary Teachers for employment in concentrated areas.
3. *Brief description of the scheme.*—Opening of three Primary Training Colleges with hostels attached to them.
4. *Areas selected for application.*—Districts of Ratnagiri, Kolaba, Satara, Poona, Sholapur, Ahmednagar, Belgaum, Bijapur and Surat.
5. *Other Departments concerned.*— . . . . .
6. *Upper staff for planning and/or execution of the scheme.*—  
For planning—(1) One Bombay Educational Service Officer in the B.E.S. Class II scale of Rs. 170—500.  
(2) One clerk in the scale of Rs. 25—5/2—55.
- For execution—(1) Three B.E.S. Class II Officers in the scale of Rs. 170—500.  
(2) Thirty trained graduate teachers in the scale of pay of Rs. 45—175.  
(3) Six clerks in the scale of Rs. 25—5/2—55.
7. *Lower staff for planning and/or execution of the scheme.*—  
For planning—Two peons on Rs. 18 and Rs. 17 per mensem.  
For execution—60 inferior servants on Rs. 12 to Rs. 18 per mensem.
8. *How staff to be obtained.*—  
Upper staff—By promotion or transfer in the Department.  
Lower staff—By recruitment as far as possible from returned soldiers.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) Capital ..	Rs. 30,000	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. 30,000
(b) Recurring ..	1,04,000	1,37,000	1,40,000	1,43,000	1,46,000	6,70,000
Total ..	1,34,000	1,37,000	1,40,000	1,43,000	1,46,000	7,00,000

10. *To what extent is the scheme productive and/or cost recoverable.*— . . . . .
11. *Nature of material, machinery, etc., needed from—*  
(a) Abroad— . . . . .  
(b) Locally—Furniture and other equipment to be purchased locally.
12. *Any other remarks or information.*—Each training College will give training to about 160 students and turn out 80 trained teachers every year. The three colleges will be opened in selected places and will be located in rented buildings till separate buildings are provided for them.

## SCHEME No. 14.

1. *Department.*—Department of Industries.

2. *Scheme.*—Training of technical personnel in connection with Electrical Grid Scheme.

3. *Brief description of the scheme.*—Scheme for the training at the Victoria Jubilee Technical Institute of Electricians and other technical personnel in connection with the Electrical Grid Scheme.

4. *Areas selected for application.*—Bombay.

5. *Any other remarks or information.*—The scheme is still under the consideration of Government and consequently no details have so far been settled.



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**ALL PROVINCE SCHEMES.**

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## SCHEME No. 15.

1. *Department*.—Agricultural.
2. *Scheme*.—Agricultural Research—Expansion of.
3. *Brief description of the scheme*.—The scheme provides for the most urgent requirement in connection with the extension of scientific research work in connection with agricultural development in the Province of Bombay, especially, in regard to the improvement of yield and quality of the more important food crops, the investigation of soil and agronomic problems of economic importance to the cultivators and scientific investigations into other aspects of agriculture which are considered to be of prior importance in post-war agricultural improvement and expansion.

The major items of scientific research work in the Scheme are as under :—

(a) *Plant Breeding and Crop Improvement (Cereals)*.—(Under the Deputy Director of Agriculture, Crop Research). Provides adequate facilities for scientific plant breeding and crop improvement work on the main cereal food crops, e.g. jowar, bajri, wheat, rice, etc.

(b) *Plant Breeding and Crop Improvement (Pulses and Oil seeds)*.—(Under the Economic Botanist to Government). Provides for necessary facilities, staff, equipment, etc. for urgent scientific work on the improvement of pulse and oilseed crops of importance in the Province, viz. *kulthi*, *maiki*, *udid*, *lang*, *tur*, safflower, *sesamum*, *gram*, *castor*, *groundnut*, etc.

(c) *Agricultural Chemistry*.—(Under the Agricultural Chemist to Government, Agricultural College, Poona). Provides for scientific investigation into (a) reclamation and improvement of damaged lands, e.g. *Karl* lands of *Karnatak*, *bhal* lands of *Gujarat*, salt land areas, etc., (b) fertility survey of cultivable lands in the Province, (c) chemical aspects of organic and inorganic manuring of different crops on different soil types, (d) improvement of *gul* quality, (e) nutritive values of various fodder crops, (f) indigenous manufacture of fertilisers, insecticides, etc., etc.

(d) *Agricultural Entomology*.—(Under the Agricultural Entomologist to Government, Agricultural College, Poona). Provides for adequate staff, equipment, contingencies, etc., at headquarters and in the districts for scientific research work into important economic entomological problems, including study of factors governing outbreaks of insect pests, insect pests on the rice crop and on fruit trees, insect pests of stored grain, etc.

(e) *Agronomical Research*.—(Under Professor of Agriculture, Agricultural College, Poona). Provides for scientific experimental work on tillage methods, manurial treatments, rotations, etc., designed to increase the yield per acre of major food crops in the Province, e.g., jowar, bajri, etc., and of important fodder crops.

(f) *Plant Pathology*.—(Under Plant Pathologist to Government, Agricultural College, Poona). Provides for two sub-stations, one in Southern and one in Northern Divisions of the Province, for research work on important crop diseases in these areas and as the headquarters for a plant disease control staff in the districts under the Plant Pathologist to Government.

(g) *Agri-Silvicultural Research Station, Sirsi*.—Provides for scientific investigation into problems connected with the cultivation of agricultural and garden crops in the up-ghat tracts of *Kanara* district and with silvicultural and agri-silvicultural problems dealing with improvement of production of indigenous

tree crops, economic development of forest areas, land development, etc. same areas.

4. *Areas selected for application.*—Whole of Province.

5. *Other Departments concerned.*—Revenue Department, Forest and Public Works Department.

6. *Upper staff for planning and/or execution of the scheme*—

(a) B.A.S., Class II—Items (a) to (g)—  
13 Officers (gazetted).

(b) Agricultural Officers (graduates)—  
23 Grade I—Items (a) to (g) and  
73 Grade II—Items (a) to (f).

7. *Lower staff for planning and/or execution of the scheme*—

(a) Agricultural Assistants—

29 Grade I.

39 Grade II.

(b) 76 Kamgars.

(c) 43 Counters.

(d) 19 Muccadams.

(e) Forest Staff [Item (g)]—

(1) 1 Range Forest Officer.

(2) 2 Foresters.

(3) 6 Forest Guards.

*Clerical and Office staff* :—

(a) 3 Clerks (Senior).

(b) 19 Clerks (Junior).

(c) 24 Peons.

(d) 10 Laboratory Boys.

8. *How staff to be obtained.*—Upper staff, i.e. gazetted and graduates will be obtained by promotion within existing cadres or by direct recruitment of suitably qualified candidates. The lower staff will largely be obtained from departmental training centres and by promotion from lower grades in specialized sections of the department.

9. *Rough estimates of cost at existing rates for each Year of the First Five Year Plan.*—(vide serial No. 3 above).

Item.	1st Year.	2nd Year.	3rd Year.	4th Year.	5th Year.	Total.
(a) Capital—Item (a)—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(b) Recurring—Capital	66,500	73,500	73,500			2,13,500
Recurring	79,000	1,50,000	2,20,000	2,20,000	2,27,000	8,96,000
Total	1,45,500	2,23,500	2,93,500	2,20,000	2,27,000	1,109,500
Item (b)—						
Capital	30,500	18,000	18,000			66,500
Recurring	58,000	77,000	97,000	1,01,000	1,04,000	4,37,000
Total	88,500	95,000	1,15,000	1,01,000	1,04,000	5,03,500

Item.	1st Year.	2nd Year.		3rd Year.		4th Year.		5th Year.		Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Item (c)— Capital Recurring		Rs. 32,000	1,000	1,000	1,000	1,000	1,000	1,000	60,000	
	.. ..	25,000	34,000	44,000	47,000	49,000	49,000	49,000	1,94,000	
	.. ..	20,000	66,000	45,000	48,000	50,000	50,000	50,000	2,54,000	
	Total ..	45,000								
Item (d)— Capital Recurring		.. 11,000							76,000	
	.. ..	72,000	75,000	78,000	82,000	82,000	82,000	82,000	3,84,000	
	.. ..	65,000	77,000	72,000	86,000	78,000	82,000	82,000	4,60,000	
	Total ..	1,42,000								
Item (e)— Capital Recurring		.. 1,000	7,500	8,000	8,000	8,000	8,000	8,000	1,000	
	.. ..	1,000	7,500	8,000	8,000	8,000	8,000	8,000	38,500	
	Total ..	8,000								
Item (f)— Capital Recurring		.. 55,000	5,000	5,000	5,000	5,000	5,000	5,000	1,20,000	
	.. ..	50,00	23,200	24,400	25,800	27,000	27,000	27,000	1,13,400	
	.. ..	13,00	78,200	29,400	30,800	32,000	32,000	32,000	2,33,400	
	Total ..	63,00								
Item (g)— Capital Recurring		.. 32,000	33,000	34,000	35,000	35,000	35,000	35,000	1,00,000	
	.. ..	1,00,00	32,000	33,000	34,000	35,000	35,000	35,000	1,64,000	
	.. ..	30,00	32,000	33,000	34,000	35,000	35,000	35,000	2,64,000	
	Total ..	1,30,00								
								Total—Capital ..	6,37,000	
								Recurring ..	22,26,900	
								Grand Total ..	28,03,900	

*scheme productive and/or cost recoverable.—No*

10. *To what extent is the* be anticipated from any item proposed under the appreciable money income need however, represented in the extension of better scheme. The indirect returns, or losses from plant diseases and insect pests, yielding crop varieties, reducti<sup>o</sup>n<sup>n</sup> and tillage, etc., are incalculable. improved methods of soil treatn<sup>h</sup>inery, etc., needed from—

11. *Nature of material, machtory apparatus, equipment, etc., not procurable*

(a) *abroad*.—Certain labor in India, Chemicals, etc. furniture, laboratory and field equipment, etc.

(b) *locally*.—Implements, formation.—The scheme is approved generally and the

12. *Any other remarks or info* up detailed schemes in order of priority after Director has been asked to pu various items done so far and the progress made in reviewing research work on h schemes now in progress, etc. giving effect to various research

1. *Department.*—Agriculture.
2. *Scheme.*—Provision of additional work of the Agricultural staffs on an adequate basis to meet Post-War needs.

3. *Brief description of the scheme.*—(a) the Agricultural staffs of the extended activities of the department, including the supervision and execution of services to the public work, etc.,

In brief, it is proposed :—

- (1) to strengthen the supervision of the Agricultural staffs by (a) head-quarters and (b) in the districts.

Class I, B. A. S. posts on a regular basis.

One post of Assistant Director.

One post of Deputy Director.

One post of Deputy Director.

Two additional posts each in addition to three such posts among 5 instead of 3 Deputy Directors.

- (2) to augment the present staff gradually over a period of time. There will be :—

One Agricultural Officer.

One Agricultural Assistant.

One Agricultural Officer.

Two Agricultural Assistants.

Two trained kamgars under the Agricultural Officer.

One trained Kamgar under the Agricultural Assistant.

4. *Areas selected for application.*

5. *Other Department to be consulted.*

6. *Upper staff for planning and execution.*

- A. *Upper staff.*—(a) Class I, B. A. S. posts.

(A) At present, these appointments are as follows.

(B) At present, the Konkan Division has the following posts.

Class II, B. A. S. posts.

(C) Present staff of Agricultural Officers.

in districts ..

on Government Farms ..

Present staff of Agricultural Assistants.

in districts ..

on Government Farms ..

Present staff of Kamgars—

in districts ..

on Government Farms ..

\*Sanctioned up to 10th August 1944

## (b) Agricultural Officers—

Grade I	6
Grade II	19

## 7. Lower staff for planning and/or execution of the scheme—

## B. Lower staff.—

## (a) Agricultural Assistants—

Grade I	25
Grade II	134

## (b) Kamgars

## C. Clerical and Office staff.—

(a) Senior clerks	17
(b) Junior clerks	35
(c) Peons	40

8. How staff to be obtained.—The Class I, B. A. S. personnel will largely be available by promotion within existing cadres of the Agricultural Department, e.g., from Class II, B. A. S. and senior graduates' cadre. The appointments of Agricultural Officers in Grade I will be filled by promotion from existing staff in Grade II and in Grade II by recruitment from graduates of the Agricultural College, Poona. Lower and clerical staff will have to be recruited from suitable applicants at department training centres and, possibly, from demobilised military personnel after suitable training period.

## 9. Rough estimates of cost at existing rates for each year of the First Five-Year Plan.—

(a) Capital (vide Serial No. 3 above)	Nil.					Total
	1st	2nd	3rd	4th	5th	
(b) Recurring—						
(a) Pay of staff						
1. Upper staff	30,000	40,500	50,500	55,000	60,000	2,36,000
2. Lower staff	80,000	1,45,000	2,00,000	2,40,000	3,00,000	9,65,000
3. Clerical and office staff	30,000	43,000	50,000	51,000	52,000	2,26,000
(b) Allowances	57,000	1,00,000	1,32,000	1,50,000	1,70,000	6,09,000
(c) Contingencies	10,000	11,000	12,000	9,000	9,000	51,000
Total	2,07,000	3,39,500	5,67,800	5,05,000	5,91,000	20,87,000

10. To what extent is the scheme productive and/or cost recoverable.—The Scheme not directly productive and none of the cost involved is recoverable. The additional staffs, however, is necessary for the adequate supervision and conduct of the increased activities of the Agricultural Department consequent upon other schemes of rural development and the increase in departmental activities anticipated in the immediate post-War period.

## 11. Nature of material, machinery, etc., needed from—

(a) abroad.—Typewriting machines, duplicators and specialised office equipment.

(b) locally.—Agricultural implements, office furniture and equipment, etc.

12. Any other remarks or information.—The scheme is generally approved in principle and the Director asked to approach Government for the creation of additional posts as and when required with full details of the expenditure required to strengthen the staff in the areas concerned.

## SCHEME No. 17.

1. *Department.*—Agricultural.

2. *Scheme.*—Establishment required by the Deputy Director of Agriculture Headquarters, "Grow More Food Crops" Campaign, for controlling the various schemes outlined under Multiplication and Distribution of improved seed of food grain crops (Schemes Nos. 18 to 22) and purchase, storage and distribution of manure (*vide* Schemes Nos. 48 and 49) to the same.

3. *Brief description of the scheme.*—The scheme provides for the necessary expansion of the Central Office under the Deputy Director of Agriculture, Headquarters, "Grow More Food Crops" Campaign, Poona, to enable him to perform the extended activities of the various schemes under his control. The total estimated expenditure of the various schemes comes to Rs. 1,13,92,910 and the additional estimated income to the cultivators comes to Rs. 17,41,94,900. The following statement gives an idea of the amount of work and funds to be handled under each scheme—

Scheme No.	Name of the Scheme.	Area to be covered.	Estimated cost.	Total additional yield in.		
				Acres.	Rs.	Maunds.
I(a)	Multiplication and Distribution of improved strains of different varieties of paddy in the drilled paddy tract (Dharwar and Belgaum districts) of the Bombay Province.	150,000	5,13,658			1,063,500
I(b)	Multiplication and Distribution of improved varieties of paddy seeds in the North Konkan tract of the Bombay Province.	300,000	4,21,429			1,190,250
I(c)	Multiplication and Distribution of Nadiad Bajri No. 207.	300,000	1,28,404			647,400
I(d)	Multiplication and Distribution of seeds of improved varieties of bajri, rabi jowar, wheat and gram in the extensive dry tract of the Bombay, Deccan and Karnatak.	3,000,000	18,59,099	3,000,000	5,275,000	2,556,250
		500,000		300,000	720,000	354,750
II(a)	Application of groundnut cake manure to paddy irrigated wheat and jowar crops.	2,220,000	83,85,320			6,680,000
II(b)	Preparation of a mixture of ammonium phosphate, bonemeal and groundnut cake and its application to potato crop.	9,000	85,000			875,000
		Total ..	9,759,300	1,13,02,910		17,419,400

4. *Areas selected for application.*—Whole of the Bombay Province.

5. *Other Departments concerned.*—

6. *Upper staff for planning and/or execution of the Scheme.*—Two Gazetted Officers—Class II of the Bombay Agricultural Service for five years.

7. *Lower staff for planning and/or execution of the Scheme.*—16 clerks and 11 peons for five years.

8. *How staff is to be obtained.*—By promotion and recruitment. Returned soldiers can be appointed to posts of clerks and peons after suitable training.

9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan—*

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) Capital	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(b) Recurring	..	39,124	35,544	Nil.	36,888	37,308
Grand Total ..					38,652	1,87,516
					Rs. 1,87,516.	

10. *To what extent is the scheme productive and/or cost recoverable.*—The Scheme is not directly productive. Efficient supervision is, however, necessary to achieve the most valuable results estimated in various schemes proposed.

11. *Nature of materials, machinery, etc. needed from—*

- (a) *Abroad.*—Typewriters, duplicators and specialised office equipment.
- (b) *Locally.*—

12. *Any other remarks or information.*—The Scheme is of urgent importance in order to enable adequate and efficient supervision being exercised over the various schemes under the Deputy Director of Agriculture, Headquarters.

The details of the Scheme have not yet been approved by Government.

## SCHEME No. 18.

1. *Department.*—Agricultural.
2. *Scheme.*—Multiplication and Distribution of improved strains of different varieties of paddy in the drilled paddy tract (Dharwar and Belgaum districts) of the Bombay Province.
3. *Brief Description of the Scheme.*—It is proposed to cover an area of 150,000 acres in five years. Wild rice which is locally called "Gonag" in the drilled paddy tract acts as a pernicious weed and is required to be eliminated from pure paddy seed. Its grain matures very unevenly and dries as it matures being thus entirely lost to the cultivators. It multiplies very rapidly through land contamination and the fields affected by "Gonag" go wild very soon causing great loss to the cultivators. Pure paddy seed multiplication in the drilled paddy tract of the Bombay Province is very important and necessary and this Scheme aims at it. There are improved strains of three varieties of paddy, viz., Mugad, Antarsel and Dodgya and there is scope for extension of these over an area of 150,000 acres. The yield of paddy is commonly 20 times the seed but for the purpose of the Scheme with due allowances for consumption etc., 10 times has been taken as multiplication factor. There will be 4 stages of seed multiplication and in each of these rigorous roughing for purity of seed from Gonag and other varieties of paddy is absolutely necessary for which provision is made. The total irrecoverable expenditure of the Scheme comes to about five lakhs rupees. The following statement gives an idea of the areas under different stages in different years:—

Year.	Acres in different stages.				
	1st.	2nd	3rd	4th	5th
1st .. .. ..	10	150			* 60,000
2nd .. .. ..	10	150	1,500		* 60,000
3rd .. .. ..	10	150	1,500	15,000	* 60,000
4th .. .. ..	10	150	1,500	15,000	150,000
5th .. .. ..	10	150	1,500	15,000	150,000

\* During the first three years of the Scheme, fairly pure seed already available in the districts will be distributed over an area of 60,000 acres.

4. *Area selected for application.*—Dharwar and Belgaum Districts of Karnataka.
5. *Other Departments concerned.*—....
6. *Upper Staff for planning and/or execution of the Scheme.*—  
1 Gazetted Class II Officer of the B. A. S. and  
3 Agricultural Officers for five years.
7. *Lower Staff for planning and/or execution of the Scheme.*—

Year.	Clerks.	Kamgars.	Depot Kamgars.	Peons.
1st .. .. ..	2	6	6	5
2nd .. .. ..	2	9	9	5
3rd .. .. ..	2	12	12	5
4th .. .. ..	2	15	15	5
5th .. .. ..	2	15	15	5

8. *How staff is to be obtained.*—By promotion and recruitment. Returned soldier can be employed as clerks, kamgars, peons, etc., after suitable training.

9. Rough estimates of cost at existing rates for each year of the first five-year plan.

Items.	1st year.	2nd year.	3rd year.	4th year.	5th year.
	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital : 1. Subsidy for rouguing, etc.	300	3,300	33,300	33,300	33,300
2. Premium on purchase, and exchange of seed.	30,900	39,900	39,900	75,000	75,000
3. Transport and storage charges.	600	6,600	6,600	...	...
Recurring : 4. Cost of staff and contingencies.	21,506	21,978	27,230	32,182	32,762
	53,306	71,788	10,730	1,40,482	1,41,062
					Rs.
Capital	..	..	..	..	3,78,000
Recurring	..	..	..	..	1,35,658
				Grand Total ..	5,13,658

10. To what extent the Scheme is productive and/or cost recoverable.—The resulting additional income to cultivators by working the Scheme would be as under :—

Year.	Area under improved seed.	Additional yield per acre.	Total additional yield.	Value of additional yield.
				Rs.
1st	..	60,150	2	1,20,300
2nd	..	61,650	2	1,23,300
3rd	..	76,650	2	1,53,300
4th	..	166,650	2	3,33,300
5th	..	166,650	2	3,33,300
				1,063,500
				8,508,000

11. Nature of materials, machinery, etc., needed from—

(a) abroad—Typewriter.

(b) locally—Office furniture, equipments, etc.

12. Any other remarks or information.—An amount of Rs. 3 lakhs may be kept as Personal Ledger Account for purchase of seed at the disposal of the Deputy Director of Agriculture or the Officer i/c of the Scheme.

Scheme have not yet been approved by Government.

## SCHEME No. 19.

1. *Department.*—Agricultural.
2. *Scheme.*—Multiplication and Distribution of improved varieties of paddy seeds in the North Konkan Tract of the Bombay Province.
3. *Brief description of the Scheme.*—It is proposed to cover an area of 3 lakhs acres in five years. Unlike in the drilled tract of Dharwar and Belgaum districts mentioned in Scheme No. I (a), there is no trouble of 'Gonag' weed in the transplanted area of North Konkan. The improved variety is to be kept pure only from the mixture of the other varieties. If the seed is perfectly pure no roughing would be necessary. There are improved strains of three varieties of paddy, viz. Kolamba, Zinia and Bhadas and they can occupy an area of 3 lakhs acres, during the period of five years. The total irrecoverable expenditure of the Scheme is estimated at Rs.  $4\frac{1}{4}$  lakhs. The following statement gives an idea of the areas under different stages in different years:—

Year.	Acres in different stages.				
	1st	2nd	3rd	4th	5th
1st	..	15	300		*30,000
2nd	..	15	300	3,000	*30,000
3rd	..	15	300	3,000	30,000
4th	..	15	300	3,000	30,000
5th	..	15	300	3,000	30,000

\* During the first three years of the Scheme, fairly pure seed already available in the districts will be distributed over an area of 30,000 acres.

4. *Area selected for application.*—Thana, Kolaba and Bombay Suburban districts of North Konkan.

5. *Other Departments concerned.*—

6. *Upper Staff for planning and/or execution of the Scheme.*—

- 1 Gazetted Class II officer of the B. A. S. for 5 years.
- 2 Agricultural Officers for first two years.
- 4 Agricultural Officers for the last three years.

7. *Lower Staff for planning and/or execution of the Scheme.*—

Year.	Clerks.	Kamgars.	Depot Kamgars.	Peons.
1st	..	2	8	4
2nd	..	2	12	4
3rd	..	2	16	6
4th	..	2	20	6
5th	..	2	20	6

8. *How staff is to be obtained.*—By promotion and recruitment. Returned soldiers can be employed as clerks, kamgars, peons, etc., after suitable training.

9. *Rough estimates of cost at existing rates for each year of the First Five-Year plan.*

Items.	1st year.	2nd year.	3rd year.	4th year.	5th year.
	Rs.	Rs.	Rs.	Rs.	Rs.
<i>(a) Capital.</i>					
1. Premium on purchase and exchange of seed.	9,000	9,900	18,900	84,900	84,900
<i>(b) Recurring.</i>					
2. Transport and storage charges.	60	660	6,660	6,660	6,660
3. Cost of Staff and Contingencies.	26,464	30,229	41,342	47,607	47,607
	35,524	40,789	66,902	1,30,167	1,39,167
Grand Total	..	Rs. 4,21,549.			

10. *To what extent the Scheme is productive and/or cost recoverable.—The resulting additional income to cultivators by working the Scheme would be as under :—*

Year.	Area under improved seed.	Additional yield per acre.	Total additional yield.	Value of additional yield.
	Acres.	Maunds.	Maunds.	Rs.
1st	..	..	30,300	1½
2nd	..	..	33,300	1½
3rd	..	..	68,300	1½
4th	..	..	3,33,300	1½
5th	..	..	3,33,300	1½
			11,90,250	11,902,500

11. *Details of materials, machinery, etc. needed from—*

*(a) Abroad.—Typewriters.*

*(b) Locally.—Office furniture, equipments, etc.*

12. *Any other remarks or information.—(1) An amount of Rs. 5 lakhs may be kept as Personal Ledger Account for purchase of seed at the disposal of the Deputy Director of Agriculture or the Officer in charge of the Scheme.*

*(2) The details of the Scheme have not yet been approved by Government.*

## SCHEME No. 20.

1. *Department.*—Agricultural.

2. *Scheme.*—Multiplication and Distribution of Nadiad Bajri No. 207.

3. *Brief Description of the scheme.*—It is proposed to cover an area of 3 lakhs acres in four years. Bajri is a highly cross pollinated plant and the selected strain is required to be protected from outside contamination in all stages of multiplication for this purpose the improved seed will be grown in compact blocks and seed from 50 per cent. inner areas will only be multiplied, leaving the remaining 50 per cent. outside ring. Bajri multiplies 100 times in North Gujarat, for the purpose of the Scheme only 50 time is taken into account, leaving the rest for consumption. The total irrecoverable expenditure of the Scheme comes to about Rs. 1,30,000. The following statement gives an idea of the areas under different stages in different years over which pure seed is to be distributed.

	Year.	Acres in different stages.			
		1st year.	2nd year.	3rd year.	4th year.
1st	.. ..	6	600 (300)	....	*12,000
2nd	.. ..	6	600 (300)	15,000 (7,500)	*12,000
3rd	.. ..	6	600 (300)	15,000 (7,500)	3,00,000
4th	.. ..	6	600 (300)	15,000 (7,500)	3,00,000

\*During the first two years of the Scheme, fairly pure seed already available in the districts will be distributed over an area of 12,000 acres.

*Note.*—Bajri is a highly cross pollinated plant and provision has been made for raising the seed in protected inner areas shown in brackets.

4. *Area selected for application.*—Ahmedabad, Kaira and Broach and Panchmahals districts of Gujarat.

5. *Other departments concerned.*—

6. *Upper Staff for planning and/or execution of the scheme.*—

1 Senior Agricultural Officer for four years.

1 Agricultural Officer for first year.

2 Agricultural Officers in the second year.

3 Agricultural Officers in the third and fourth years.

7. *Lower Staff for planning and/or execution of the scheme.*—

Year.	Clerks.	Kangars.	Depot Kangars.	Peons.
1st	.. ..	1	1	2
2nd	.. ..	2	5	3
3rd	.. ..	2	15	4
4th	.. ..	2	15	4

8. *How staff is to be obtained.*—

By promotion and recruitment. Returned soldiers can be employed as depot Kangars, peons, etc., after suitable training.

9. Rough estimates of cost at existing rates for each year of the First five Year Plan:—

Item.	1st year.	2nd year.	3rd year.	4th year.
	Rs.	Rs.	Rs.	Rs.
<i>(a) Capital :</i>				
1. Premium on purchase and exchange ..	600	1,350	15,750	15,750
2. Transport and storage charges ..	20	520	520	520
<i>(b) Recurring :</i>				
3. Cost of Staff and Contingencies ..	12,056	15,890	32,714	32,714
Grand Total Rs. 1,28,404 ..	12,676	17,760	48,984	48,984

10. To what extent the scheme is productive and/or cost recoverable.—

Year.	Area under improved seed.	Additional yield per acre.	Total additional yield.	Value of additional yield.
				Rs.
1st.	..	600	1	600
2nd	..	15,600	1	15,600
3rd	..	315,600	1	315,600
4th	..	315,600	1	315,600
			6,47,400	38,84,400

11. Details of materials, machinery, etc., needed from—

- (a) abroad.—Typewriter.
- (b) locally.—Office furniture, equipment, etc.

12. Any other remarks or information.—An amount of Rs. 10,000 may be kept as personal Ledger Account at the disposal of the Deputy Director of Agriculture or the Officer in charge of the Scheme.

(2) The details of the scheme have not yet been approved by Government.

## SCHEME No. 21

1. *Department.*—Agricultural.
2. *Scheme.*—Multiplication and Distribution of seeds of improved varieties of bajri, rabi jowar, wheat and gram in the extensive dry tract of the Bombay Deccan and Karnatak.
3. *Brief description of the Scheme.*—In this extensive tract, bajri in the kharif and jowar, wheat and gram in the rabi season are the principle food crops. Bajri occupies an area of about 34 lakhs, rabi jowar 56 lakhs, wheat 12 lakhs and gram 4½ lakhs acres. Improved strains giving higher yield are available for multiplication and distribution in all these crops. Akola bajri is suited for an area of about 30 lakhs acres : M. 35-1 rabi jowar for about 30 lakhs acres ; improved strains of different varieties of wheat viz., Jay, Vijay, Motia, Gulab and Niphad-4 have the scope for occupying an area of five lakhs acres and the improved variety of gram named chaffa can command an area of 3 lakhs acres. A combined Scheme, therefore, aims at covering 30 lakhs acres bajri, 30 lakhs acres rabi jowar, 5 lakhs acres wheat and 3 lakhs acres gram, with a common staff to work at. The total irrecoverable cost of the Scheme is estimated at Rs. 19 lakhs and the total estimated extra profits to the cultivators at Rs. 52 millions during the period of five years for which the Scheme is proposed. The following statements give an idea of the areas under different stages in different years of different crops :—

*Bajri.*

Year.	Acres in different stages		
	1st year.	2nd year.	3rd year.
1st	..	..	30,000 (15,000)
2nd	..	..	30,000 (15,000)
3rd	..	..	30,000 (15,000)
4th	..	..	30,000 (15,000)
5th	..	..	30,000 (15,000)

\*During the first two years of the Scheme, fairly pure seed already available in the districts will be distributed over an area of 100,000 acres.

*Note.*—1. Bajri is a highly cross pollinated plant and provision has been made for raising the seed in protected inner areas shown in brackets [explained in Scheme No. I(c)].

2. The seed required for first stage on 30,000 acres every year will be procured from Akola taluka of Ahmednagar district.

*Rabi Jowar.*

Year.	Acres in different stages.			
	1st year.	2nd year.	3rd year.	4th year.
1st	..	..	80	2,500
2nd	..	..	80	2,500
3rd	..	..	80	2,500
4th	..	..	80	2,500
5th	..	..	80	2,500

†During the first two years of the Scheme, fairly pure seed already available in the districts will be distributed over an area of 2,00,000 acres.

## Wheat.

Year.	Acres in different stages.					
	1st year.	2nd year.	3rd year.	4th year.	5th year.	6th year.
1st	..	160	800	..	..	*60,000
2nd	..	160	800	4,000	..	*60,000
3rd	..	160	800	4,000	20,000	..
4th	..	160	800	4,000	20,000	100,000
5th	..	160	800	4,000	20,000	100,000
						500,000

\*During the first three years of the Scheme, fairly pure seed already available in the districts will be distributed over an area of 60,000 acres.

## Gram.

Year.	Acres in different stages					
	1st year.	2nd year.	3rd year.	4th year.	5th year.	6th year.
1st	..	100	500	..	..	..
2nd	..	100	500	2,500	..	..
3rd	..	100	500	2,500	12,500	..
4th	..	100	500	2,500	12,500	60,000
5th	..	100	500	2,500	12,500	60,000
						300,000

4. *Area selected for application.*—Bombay Deccan and Karnatak.

5. *Other Departments concerned.*—Nil.

6. *Upper Staff for planning and/or execution of the Scheme*—

2 Gazetted Class II Officers of the B. A. S. for five years.

6 Agricultural Officers for 1st year.

8 Agricultural Officers for 2nd year.

10 Agricultural Officers for 3rd year.

12 Agricultural Officers for 4th and 5th years.

7. *Lower Staff for planning and/or execution of the Scheme.*—

Year.	Clerks.	Kamgars.	Depot Kamgars.	Peons.
1st	..	4	16	16
2nd	..	6	30	30
3rd	..	6	40	40
4th	..	6	60	60
5th	..	6	60	60

8. *How staff is to be obtained*—By promotion and recruitment. Returned soldiers can be employed as clerks, kamgars, etc. after suitable training.

9. *Rough estimates of cost at existing rates for each year of the first Five-Year Plan*: The premium, transport and storage charges are calculated separately for each crop. The cost of staff and contingencies is worked out for the whole combined Scheme.

## Bajri.

Items.	1st year.	2nd year.	3rd year.	4th year.	5th year.
1. Premium on purchase and exchange of seed.	6,500	21,500	1,66,500	1,66,500	1,66,500
2. Transport and storage charges.	3,000	18,000	18,000	18,000	18,000
	9,500	39,500	1,84,500	1,84,500	1,84,500

Items.	1st year.	2nd year.	3rd year.	4th year.	5th year.
	Rs.	Rs.	Rs.	Rs.	Rs.
<i>Rabi Jowar.</i>					
1. Premium on purchase and exchange of seed.	10,000	12,500	47,500	47,500	47,500
2. Transport and storage charges	125	1,625	1,625	1,625	1,625
	10,125	14,125	49,125	53,125	53,125
<i>Wheat.</i>					
1. Premium on purchase and exchange of seed.	18,000	19,200	25,200	37,200	1,87,200
2. Transport and storage charges.	240	1,440	7,440	37,400	37,400
	18,240	20,640	32,640	74,640	2,24,640
1. Premium on purchase and exchange of seed.	....	750	4,500	22,950	1,12,950
2. Transport and storage charges.	150	900	4,650	23,100	23,100
	150	1,650	9,150	46,050	1,36,050
Total of all crops ..	38,015	75,915	2,75,415	3,58,315	5,98,315
3. Cost of Staff and Contingencies.	59,816	81,108	98,368	1,36,916	1,36,916
	97,831	1,57,023	3,73,783	4,95,231	7,35,231

Grand Total Rs. 18,69,099.

10. *To what extent the scheme is productive and/or cost recoverable.*—The resulting additional income to cultivators from different crops by working the scheme would be as under:—

Year.	Area under improved seed.	Additional yield per acre.	Total additional yield.	Value of additional yield.	
				Aeres.	
<i>Bajri.</i>					
1st	..	..	130,000	2	65,000
2nd	..	..	430,000	2	215,000
3rd	..	..	3,330,000	2	1,666,000
4th	..	..	3,330,000	2	1,665,000
5th	..	..	3,330,000	2	1,665,000
					5,275,000
					2,56,50,000
<i>Rabi Jowar.</i>					
1st	..	..	202,500	2	101,250
2nd	..	..	252,500	2	126,250
3rd	..	..	1,052,500	2	526,250
4th	..	..	1,552,500	2	776,250
5th	..	..	2,052,500	2	1,026,250
					2,556,250
					1,50,87,500

Year.	Area under improved seed.	Additional yield per acre.	Total additional yield.	Value of Additional yield.
<i>Wheat.</i>				
1st	..	Acres	Maund	Rs.
1st	..	60,800	3/4	45,600
2nd	..	64,800	3/4	48,600
3rd	..	84,800	3/4	63,600
4th	..	124,800	3/4	93,600
5th	..	624,800	3/4	468,600
				720,000
				86,40,000
<i>Gram.</i>				
1st	..	500	3/4	375
2nd	..	3,000	3/4	2,250
3rd	..	15,500	3/4	11,625
4th	..	77,000	3/4	57,750
5th	..	377,000	3/4	282,750
				354,750
		Grand Total		52,235,000

11. *Details of materials, machinery etc. needed from—*

(a) *Abroad*—Typewriter.

(b) *Locally*—Office furniture, equipments etc.

12. *Any other remarks or information.*—An amount of Rs. 20 lakhs may be kept Personal Ledger Account for purchase of seeds of different crops at the disposal of the Deputy Directors of Agriculture or the Officers in-charge of the Scheme.

2. The details of the Scheme have not been approved by Government.

## SCHEME No. 22.

1. *Department.*—Agricultural.
2. *Scheme.*—Production of the nucleus seeds of the improved strains important food grain crops.
3. *Brief description of the scheme.*—Seeds of improved varieties of crops of paddy, bajri, wheat, rabi jowar and gram intended to be multiplied are to be produced in Government Farms under the expert supervision of the Deputy Director of Agriculture. (Crop Research).

It is proposed to organise this work on sound basis before the accompanying seed multiplication and distribution Schemes are started.

Advantage of the existing Government farms is to be taken fully and the services of the existing farm staff utilised. To meet the requirements of the accompanying Schemes however additional lands are to be taken on lease and expenditure on cultivation, storage, fumigation chambers, etc., is necessary.

There is sufficient area for raising the required quantities of paddy, bajri and rabi jowar seeds on farms but for the purpose of raising adequate quantities of wheat and gram, additional areas of 260 acres are to be taken on lease near the Government farms : Niphad, Kopergaon, Bijapur and Dharwar.

The total cost on this account works out about Rs. 3 lakhs (Capital—Rs. 1,30,000 plus recurring Rs. 1,70,000) during the period of five years, for which the various seed multiplication and distribution Schemes are proposed.

4. *Area selected for application.*—The existing Government farms at Mugad, Karjat, Nadiad, Niphad, Kopergaon, Sholapur, Bijapur, Dharwar, Chass and Jeer with an additional area of 260 acres.

5. *Other Departments concerned.*—

6. *Upper Staff for planning and/or execution of the scheme.*—One Gazetted Officer in Class II of B. A. S., two Agricultural Officers.

7. *Lower Staff for planning and/or execution of the scheme.*—1 clerk, 1 Agricultural Assistant, 4 mukadams, 4 bullockmen, 4 watchmen and 4 peons for five years.

8. *How staff to be obtained.*—By promotion and recruitment. Returned soldier can be employed as clerks, agricultural assistants and other posts shown under item 7 above after suitable training.

9. *Rough estimates of cost at existing rates for each year of the first five year plan.*—

(a) Capital :—	Rs.
1. Stores, fumigation Chambers, Apparatus, fencing, livestock and other equipments.	1,33,000
(b) Recurring :—	
2. Land rent, cattle feeds, cultivation charges, etc., at Rs. 20,000 per year.	1,00,000
3. Cost of staff and contingencies : at about Rs. 14,000 per year	70,000
	<hr/>
Total recurring ..	1,70,000
	<hr/>
Grand total ..	3,03,000

10. *To what extent the Scheme is productive and/or cost recoverable.*—About 15,000 rupees will be recovered as the value of seed produced on 260 acres, i.e. Rs. 75,000 for 5 years.
11. *Details of materials, machinery, etc., needed from—*  
(a) *Abroad.*—Typewriter.  
(b) *Locally.*—Office furniture, equipments, etc.
12. *Any other remarks or information.*—The details of the scheme have not yet been approved by Government.

## SCHEME No. 23.

1. *Department.*—Agricultural.
2. *Scheme.*—Expansion of the district staff under the Agricultural Engineer to Government.
3. *Brief description of the scheme.*—Provision of adequate mechanical assistance, supervision, etc., to cultivators possessing power plants, tractors, etc., for agricultural purposes in the post-war period when rapid development of power agriculture is anticipated.
4. *Areas selected for application.*—Whole Province. Greater attention will have to be paid in Bijapur, Dharwar, Satara and Belgaum and Surat districts and parts of Poona, Ahmednagar, Sholapur and Kolaba districts.
5. *Other Departments concerned.*—Nil.
6. *Upper staff for planning and/or execution of the scheme.*—Three Mechanical Assistants (Rs. 130—10—250).
7. *Lower staff for planning and/or execution of the scheme*—
  - 6 Senior Mechanics (Rs. 90—4—130).
  - 6 Junior Mechanics (Rs. 30—2—60).
  - 6 Junior clerks.
  - 3 Peons.
8. *How staff to be obtained.*—Some posts will be filled up by promotion within existing cadres under the Agricultural Engineer and rest will be filled by direct recruitment. Ex-soldiers from technical units, e.g., engineers, mechanical transport, etc., and labour released from war factories on cessation of hostilities would be useful for filling some of the posts.
9. *Rough estimates of cost at existing rates for each year of the first Five-Year Plan*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	...	...	...	...	...	...
(b) Recurring..	9,000	17,800	26,900	27,700	28,600	1,10,000
Total ..	9,000	17,800	26,900	27,700	28,600	1,10,000

10. *To what extent is the scheme productive and/or cost recoverable.*—It is not directly productive and the cost proposed is not recoverable.

11. *Nature of materials, machinery, etc., needed from—*

- (a) *Abroad.*—Nil.
- (b) *Locally.*—Office furniture.

12. *Any other remarks or information.*—The scheme has been approved in principle and the Director of Agriculture has been asked to approach Government for the creation of posts in the scheme as and when required furnishing complete details.

## SCHEME NO. 24.

1. *Department.*—Agricultural.
2. *Scheme.*—Revival of the Boring section.
3. *Brief description of the scheme.*—It is proposed to provide adequate staff, equipment, contingencies, etc. on the basis of the provision of two boring machines, one power and one handmachine, per district at the end of a 5-year period.
4. *Areas selected for application.*—Whole Province.
5. *Other Departments to be consulted.*—
  - (a) Revenue Department in regard to receipt of applications from cultivators and for assistance in recoveries of dues for such work.
  - (b) Co-operative Department in regard to possibility of organisation of co-operative societies, to facilitate concentration of boring work in various areas and to encourage the use of power plants for agricultural purposes on a co-operative basis where conditions may be favourable for such development.
  - (c) Military Departments in regard to staff requirement, etc., recruitment of ex-military personnel suitable for employment with or without preliminary training as boring operators.
6. *Upper staff for planning and/or execution of the scheme.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
Class II—B. A. S. . . . .	1	..	..	..	..	1
Senior Technical staff—						
(a) Boaring Assistants (100—5—200) . . . . .	2	2	1	1	..	6

7. *Lower staff for planning and/or execution of the scheme.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
Boring operators (60—4—100) . . . . .	16	13	9	4	..	42
Boring mates . . . . .	7	7	5	2	..	21
Clerical and Office staff—						
(a) Senior clerk . . . . .	2	..	..	..	..	2
(b) Junior clerk . . . . .	3	2	1	1	..	7
(c) Peons . . . . .	4	3	1	1	..	9
Miscellaneous:—						
(a) Blacksmith (60—4—100) . . . . .	1	..	..	..	..	1
(b) Hammerman (30—1—50) . . . . .	1	..	..	..	..	1
(c) Carpenter (60—4—100) . . . . .	1	..	..	..	..	1

8. *How the staff to be obtained.*—By promotion within the existing cadres under the Agricultural Engineer in some cases and the rest by direct recruitment. Many posts will be suitable for ex-soldiers from technical units on the cessation of hostilities.

9. *Rough estimates of cost at existing rates for each year of the first Five-Year Plan.*—

	1st year. Rs.	2nd year. Rs.	3rd year. Rs.	4th year. Rs.	5th year. Rs.	Total. Rs.
i) Capital . . . . .	60,000	50,000	25,000	20,000	..	1,55,000
ii) Recurring . . . . .	58,000	1,08,000	1,41,000	1,60,000	1,63,000	6,30,000
Total . . . . .	1,18,000	1,58,000	1,66,000	1,80,000	1,63,000	7,85,000

10. *To what extent the scheme is productive and/or cost recoverable.*—A proportion of the cost is recoverable dependent upon the charges levied by Government. a very rough estimate the recoveries may be put down at 20 per cent. of recurring expenditure.

11. *Nature of materials, machinery, etc. needed from—*

(a) *Abroad.*—Boring accessories and spares for Calyx machines, works equipment.

(b) *Locally.*—Musto Patent Boring machines and other boring equipment, workshop tools, office furniture and equipment, etc.

12. *Any other remarks or information.*—Nil.

## SCHEME No. 25.

1. *Department.*—Agricultural.
2. *Scheme.*—Research work in urgent problems connected with Agricultural Engineering.
3. *Brief description of the scheme.*—Improvement of agricultural implements.
4. *Areas selected for application.*—The work will be confined to the headquarters of the Agricultural Engineer to Government, but the effects, results, etc., of the work will be valuable over the whole Province.
5. *Other Departments concerned.*—Nil.
6. *Upper staff for planning and/or execution of the scheme.*—One class II, B. A. S.
7. *Lower staff for planning and/or execution of the scheme*—
  - A—(a) Senior Mechanic (Rs. 90—4—130).
  - (b) Junior Mechanic (Rs. 30—2—60).
  - B—(a) Junior clerk.
  - (b) Peons.
8. *How staff to be obtained.*—Some by promotion within the existing cadres under the Agricultural Engineer and the rest by direct recruitment. Some of the released leaders who are technically trained may be useful for the above works.
9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	6,500	..	..	..	6,500
(b) Recurring	..	6,500	6,700	6,900	7,100	7,300
						34,500
Total	..	13,000	6,700	6,900	7,100	7,300
						41,000

10. *To what extent is the scheme productive and/or cost recoverable.*—The scheme is not directly productive and the cost is not recoverable.
11. *Nature of material, machinery, etc., needed from—*
  - (a) *Abroad.*—Welding apparatus and dynamo-meter.
  - (b) *Locally.*—Foundry shed and foundry equipment.
12. *Any other remarks or information.*—The scheme has been approved in principle and the Director has been asked to furnish particulars regarding the expenditure involved and the number of existing posts (technical, clerical and inferior) at the headquarters of the Agricultural Engineer to Government.

## SCHEME No. 26.

1. *Department*.—Revenue.
2. *Scheme*.—Extension of the Bombay Agricultural Debtors Relief Act, 1939.
3. *Brief description of the scheme*.—The Act is at present in operation in 16 talukas and petas in the Broach and Panch Mahals, Surat, Thana, West Khandesh, Poona, Sholapur, Bijapur and Dharwar districts. It is proposed to extend it to the whole Province in stages. As a first stage of extension it is proposed to bring it into force in 76 talukas and petas. This will be done in the current year.
4. *Areas selected for application*.—
5. *Other Departments concerned*.—Home, Finance and Cooperative.
6. *Upper staff for planning and/or execution of the scheme*.—1 Special Officer to supervise the working of the Debt Adjustment Boards.

About 120 Chairmen of Debt Adjustment Boards.

7. *Lower staff for planning and/or execution of the scheme*.—About 120 Senior Clerks, 480 Junior Clerks, 240 Baillifs, 240 peons and 120 watchmen.

8. *How staff to be obtained*.—The Special Officer will be recruited by nomination. The Chairmen of the Boards will be selected from practising pleaders through the Public Service Commission.

The lower staff will be selected by deputation from the Judicial Department and from the ranks of Defence Forces.

9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan*.—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	17,200	..	..	..	17,200
(b) Recurring	..	3,11,388	3,11,388	3,28,932	3,36,672	3,53,216
Total	..	3,28,588	3,11,388	3,28,932	3,36,672	3,53,216
						16,58,796

The cost shown is for the Special Officer for Supervision and for 43 Debt Adjustment Boards which Government has decided to establish in the current year. When the Act is extended throughout the Province the cost will approximately increase by 250 per cent.

10. *To what extent is the scheme productive and/or cost recoverable*.—Non-productive. Cost not recoverable.

11. *Nature of material, machinery, etc., needed from*—

- (a) abroad.—Nil.
- (b) locally.—Nil.

12. *Any other remarks or information*.—

## SCHEME No. 27.

1. *Department* utive.

2. *Scheme.*—Cooperative organisations for financing areas where Debt Relief Act has been introduced.

3. *Brief description of the scheme.*—With the extension of the Bombay Agricultural Debtors Relief Act to the greater part of the Province, the question about the agency which will supply crop finance to the agriculturists will come to the fore-front. It has been tentatively agreed by Government that this finance should be provided through the cooperative societies and that for this purpose more cooperative credit societies should be organised and the membership of the existing societies increased.

It is also proposed to organise cooperative sale societies with a view to link up credit for crop finance with marketing of agricultural produce.

With a view to enable the societies to make finance available to agriculturists at a rate not exceeding  $6\frac{1}{4}$  per cent. it is proposed that Government should bear the entire cost on account of supervision with a view to relieve cooperative societies of the incidence of supervision fees and Central Banks of their contribution towards the scheme of supervision. The annual contribution on this account works out roughly at Rs. 1,45,000. Accordingly, the total cost for five years would amount to Rs. 7,25,000.

4. *Areas selected for application.*—Whole of the Province.

5. *Other Departments to be consulted.*—Revenue Department.

6. *Upper staff for planning and execution of the scheme.* } The details of the staff both upper and lower has not yet been settled.

7. *Lower staff for planning and execution of the scheme.* }

8. *How staff to be obtained.*—Promotion and recruitment from outside.

9. *Rough estimates of cost at existing rates for each year of the first five-year plan.*—

(a) *Capital.* } It is not possible to furnish the estimates of the cost involved in the scheme as the details of the staff required for its

(b) *Recurring.* } execution have yet to be settled.

10. *To what extent is the scheme productive and/or cost recoverable.*—  
Non-productive.

11. *Nature of materials, machinery, etc., needed from*—

(a) *abroad.* } Nil.

(b) *locally.* }

12. *Any other remarks or information.*—

## SCHEME No. 28.

1. *Department.*—Civil Veterinary.
2. *Scheme.*—Assumption of full control of Veterinary Dispensaries by Government.
3. *Brief description of scheme.*—At present District Local Boards maintain Veterinary Dispensaries with financial assistance from Government. This assistance includes grants-in-aid and free services of Veterinary Officers. Maintenance of Veterinary Dispensaries is not an obligatory function of local bodies and expansion depends on the financial position and other local factors. This is holding up progress, and this can only be overcome if Government assumes full control.
4. *Areas selected for application.*—Province as a whole.
5. *Other Departments to be consulted.*—
6. *Upper staff for planning and/or execution of scheme.*—
7. *Lower staff for planning and/or execution of scheme.*—
8. *How staff to be obtained.*—
9. *Rough estimate of cost at existing rates for each year of the first five-year plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital Recurring	..	1,43,000	1,51,000	1,59,000	Nil. 1,67,000	1,75,000 7,95,000
Total	..	1,43,000	1,51,000	1,59,000	1,67,000	1,75,000 7,95,000

10. *To what extent is the scheme productive and/or cost recoverable.*—Non-productive.

11. *Nature of materials, machinery, etc., needed from.*—
  - (a) *Abroad*—
  - (b) *Locally*—
12. *Any other remarks or information.*—The details of this scheme have not yet been finally approved by Government.

## SCHEME No. 29.

Department.—Civil Veterinary.

2. *Scheme.*—Expansion of Supervising staff.

3. *Brief description of the scheme.*—With the increase in the number of Veterinary dispensaries and Veterinary Assistant Surgeons and other subordinate staff it will not be possible for the existing supervisory staff which consists of the Director and the Assistant Director and 3 Divisional Veterinary Officers to control and supervise the dispensaries and the work of Veterinary Assistant Surgeons. It is, therefore, proposed to increase the supervisory staff by three officers of Class I of the Bombay Veterinary Service and 7 officers of Class II of that service.

4. *Areas selected for application.*—

5. *Other Departments concerned.*—

6. *Upper staff for planning and/or execution of the scheme.*—

3 Officers of Class I of the Bombay Veterinary Service.

7 Officers of Class II of the Bombay Veterinary Service.

7. *Lower staff for planning and/or execution of the scheme.*—

3 Head Clerks on Rs. 90—5—105.

3 Clerks on Rs. 60—5/2—75.

23 Clerks on Rs. 25—5/2—55.

33 Peons on Rs. 14 per mensem each.

8. *How staff to be obtained.*—By direct recruitment for Class I and by direct recruitment and promotion for Class II. Clerical staff by promotion and recruitment of new hands.

9. *Rough estimates of cost at existing rates for each year of the First Five-Year plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	3,000	1,000	1,000	1,500	...	6,500
(b) Recurring	32,672	43,460	56,548	74,796	78,644	2,86,120
Total	35,672	44,460	67,548	76,296	78,644	2,92,620

10. *To what extent is the scheme production and/or cost recoverable.*—Non-productive. Cost not recoverable.

11. *Nature of material, machinery, etc., needed from.*—

(a) *Abroad*—Nil.

(b) *Locally*—

12. *Any other remarks or information.*—

## SCHEME No. 30.

1. *Department.*—Civil Veterinary.
2. *Scheme.*—Expansion of Investigation staff and establishment of Animal Husbandry Research Station.
3. *Brief description of scheme.*—Investigation staff now consists of one Disease Investigation Officer and one Assistant Disease Investigation Officer for Poultry and is subsidised by the Imperial Council of Agricultural Research. One Assistant Disease Investigation Officer has been asked for Sheep and goat diseases and it is proposed to have one more for cattle diseases, one Nutrition Officer and one Geneticist. The staff would be based on the proposed research stations which would also serve for the training of students in animal husbandry.
4. *Areas selected for application.*—Province as a whole.
5. *Other Departments to be consulted.*—
6. *Upper staff for planning and/or execution of scheme.*—3 Class I Officers.
7. *Lower staff for planning and/or execution of scheme.*—Laboratory Assistants, Field Assistants, clerks and peons.
8. *How staff to be obtained.*—By direct recruitment as available.
9. *Rough estimate of cost at existing rates for each year of the first five-year plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	1,50,000	....	....	....	1,50,000
(b) Recurring	..	42,772	44,092	46,972	48,112	49,912
Total	..	1,92,772	44,092	46,972	48,112	49,912
						3,81,860

10. *To what extent is the scheme productive and/or cost recoverable.*—Non-productive. Cost not recoverable.
11. *Nature of materials, machinery, etc., needed from.*—
  - (a) *Abroad*—Apparatus and equipment.
  - (b) *Locally*—Apparatus and equipment.
12. *Any other remarks or information.*—One of the three posts in Class I may be filled by the conversion of the existing post of Disease Investigation Officer on Rs. 350—25—600 into a post in that class.

## SCHEME No. 31.

*nt.—Civil Veterinary.*

2. *Scheme.*—Manufacture of Sera and Vaccines in the Province.
3. *Brief description of scheme.*—Combined with introduction of legislation for the control of contagious diseases of animals this is essential in order to obtain fresh sera and vaccines in the shortest possible time. Delays in receipts of sera and vaccines and early issue could be avoided if we manufacture our own.
4. *Areas selected for application.*—Province as a whole.
5. *Other Departments to be consulted.*—
6. *Upper staff for planning and/or execution of scheme.*—  
1 Class I officer (Pay Rs. 300—20—420—E.B.—30—660—E.B.—40—900).
7. *Lower staff for planning and/or execution of scheme.*—  
5 Veterinary Assistant Surgeons.  
3 Clerks:  
2 Laboratory Assistants.  
5 Laboratory Attendants.
8. *How staff to be obtained.*—By promotion for upper staff, and by training at the Bombay Veterinary College.
9. *Rough estimate of cost at existing rates for each year of the first five-year plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital ..	2,50,000	....	....	....	....	2,50,000
(b) Recurring ..	51,520	52,180	52,900	53,440	54,280	2,64,200
Total ..	3,01,520	52,180	52,900	53,440	54,280	5,14,200

10. *To what extent is the scheme productive and/or recoverable.*—Non-productive. Cost not recoverable.

11. *Nature of materials, machinery, etc., needed from.*—

- (a) *Abroad*—Apparatus and equipment.
- (b) *Locally*—Apparatus and equipment.

12. *Any other remarks or information.*—

## SCHEME No. 32.

1. *Department.*—Medical.
2. *Scheme.*—Establishment of a Medical College at Poona.
3. *Brief description of the scheme.*—In order to improve the standard of medical education and to make registrable only one allopathic qualification which would be a University Degree, viz. M.B.B.S., it is proposed to convert the B. J. Medical School at Poona into a Medical College.
4. *Areas selected for application.*—All areas of the Province.
5. *Other Departments concerned.*—
6. *Upper Staff for planning and/or execution of the scheme*—

*Teaching Staff.**7 Professors.*

- 6 Full-time B. M. S. Class I Officers.
- 1 Part-time Officer on Rs. 100 per mensem.

*14 Lecturers.*

- 6 Full-time B. M. S. Class II Officers.
- 5 Part-time Officers on Rs. 100 per mensem.
- 3 On lecture basis.

*5 First Assistants.*

2 For Medicine	}
2 For Surgery	
1 For Midwifery	

Each at Rs. 250 per mensem.

- 8 Demonstrators at Rs. 150 per mensem.
- 1 Clinical Assistant on Rs. 50 per mensem.
- 5 House Surgeons on Rs. 50.
- 2 House Physicians on Rs. 50 per mensem.
- 1 Resident Anaesthetist on Rs. 75 per mensem.

*Other Staff.*

- 1 Head Clerk and Accountant on Rs. 130—5—175.

*3 Clerks.*

- 1 in the grade of Rs. 80—5/2—95.
- 2 in the grade of Rs. 25—5/2—55.

- 1 Artist on Rs. 48 per mensem.

- 4 Laboratory Assistants on Rs. 60 per mensem.

- 1 Physical Instructor on Rs. 45—5—115—5—145—6—175.

7. *Lower Staff for planning and/or execution of the scheme.*—18 Inferior servants on Rs. 15 each.

## 8. How staff to be obtained.—

## 9. Rough estimate of cost at existing rates for each year of the first Five-Year Plan—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
a) Capital	.. *3,99,600	....	....	....	....	3,99,600
b) Recurring	.. † 80,774	80,774	80,774	80,774	80,774	4,03,870
Total	.. 4,80,374	80,774	80,774	80,774	80,774	8,03,470

Rs.

(i) Buildings for the College	..	2,62,600
(ii) Building for the Teaching staff	..	1,00,000
(iii) Equipment	..	37,000

†This figure represents net additional annual recurring expenditure on the proposed college arrived at as follows:—Rs. 1,74,282 (staff and contingencies)—Rs. 50,000 (fees)—Rs. 43,508 (present expenditure in the school).

10. To what extent is the scheme productive and/or cost recoverable.—The receipts from fees are estimated to be Rs. 50,000 per annum. The amount has been taken into account in working out the net additional recurring expenditure.

11. Nature of material, machinery, etc., needed from—

- (a) abroad.—
- (b) locally.—

12. Any other remarks or information.—

SCHEME No. 33.

1. *Department*.—Medical.
2. *Scheme*.—Establishment of a Medical College at Ahmedabad.
3. *Brief description of the scheme*.—In order to improve the standard of medical education and to make registrable only one allopathic qualification which would be University degree, viz., M. B. B. S., it is proposed to convert the B. J. Medical School at Ahmedabad into a Medical College.
4. *Areas selected for application*.—All areas in the Province.
5. *Other Departments concerned*.— . . . .
6. *Upper staff for planning and/or execution of the scheme*.—

### Teaching staff.

7 Professors—  
(6 full-time Bombay Medical Service Class I Officers on Rs. 350—25—400—  
30—550—E. B.—585—35—760—E. B.—805—45—850).

1 Part-time officer on Rs. 100 per mensem.

## 14 *Lecturers*—

6 full-time Bombay Medical Service Class II Officers on Rs. 200—40/3—240—E. B.—40/3—320—E. B.—40/3—400.

5 Part-time officers on Rs. 100 per mensem.

3 on lecture basis.

### 5 First Assistants.—

2 for Surgery  
2 for Medicine  
1 for Midwifery } each on Rs. 250 per mensem.

12 Demonstrators on Rs. 150 per mensem.

1 Clinical Assistant on Rs. 50 per mensem.

8 House Surgeons on Rs. 50 per mensem.

3 House Physicians on Rs. 50 per mensem.

1 Resident Anæsthetist on Rs. 75 per mensem.

### *Other staff.*

1 Head clerk and Accountant on Rs. 130—5—175.

4 Clerks—

1 in the grade of Rs. 80—5/2—95.

3 in the grade of Rs. 25—5/2—55.

1 Artist on Rs. 35—60 per mensem.

5 Laboratory Assistants (exact details of pay are being worked out).

1 Physical Instructor—Rs. 45—5—115—5—145—6—175.

#### 7. Lower staff for planning and for execution of the scheme.—

20 Inferior servants (exact details of pay are being worked out).

8. *How staff to be obtained.*—The teaching staff will be recruited by inviting applications through advertisement, the discharged army personnel, if found

suitable, being given preference. The recruitment of the non-medical staff will be done mainly from local sources according to the Government policy.

9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	... * 11,36,000	....	....	....	....	11,36,000
(b) Recurring	... † 99,104	99,104	99,104	99,104	99,104	4,95,520
Total	.. 12,35,104	99,104	99,104	99,104	99,104	16,31,520

\* (i) Buildings for the College—Rs. 4,70,400.

(ii) Two hostel buildings—Rs. 4,15,600.

(iii) Buildings for Teaching staff—Rs. 1,25,000.

(iv) Servants' quarters—Rs. 55,600.

(v) Equipment—Rs. 70,000.

† This figure represents net additional annual recurring expenditure on the proposed college arrived at as follows :—Rs. 1,85,470 (staff and contingencies) minus Rs. 60,000 fees and Rs. 26,366 (current net expenditure on the school).

10. *To what extent is the scheme productive and/or cost recoverable.*—The receipts from fees are estimated to be Rs. 60,000 per annum. The amount has been taken into account in working out the net additional recurring expenditure.

11. *Nature of material, machinery, etc., needed from—*

(a) Abroad— ....

(b) Locally— ....

12. *Any other remarks or information.*— ....

## SCHEME No. 34.

1. *Department.*—Medical.
2. *Scheme.*—Appointment of medical practitioners of higher qualifications at District Headquarter Hospitals.
3. *Brief description of the scheme.*—With a view to providing greater facilities for medical treatment to the public at the District Headquarter Hospitals in the mofussil, it is proposed to appoint medical practitioners of higher qualifications at these hospitals in an honorary capacity. The medical practitioners will be appointed as Honorary Surgeons or Physicians on a part-time basis on an honorarium of Rs. 150 per mensem. It is expected that the honorarium proposed will induce medical practitioners of higher qualifications to settle in mofussil towns. Their services will be particularly needed when the Civil Surgeon is away on tour or on short leave.
4. *Areas selected for application.*—All areas in the mofussil.
5. *Other Departments concerned.*—
6. *Upper staff for planning and/or execution of the scheme.*—  
15 Honorary Physicians on Rs. 150 per mensem each.  
15 Honorary Surgeons on an honorarium of Rs. 150 per mensem each.
7. *Lower staff for planning and/or execution of the scheme.*—
8. *How staff to be obtained.*—The personnel required for the scheme is to be recruited from the medical profession by advertisement, preference being given to demobilised persons with approved war service.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital ..	....	....	....	....	....	....
(b) Recurring ..	*54,000	54,000	54,000	54,000	54,000	2,70,000
<b>Total ..</b>	<b>54,000</b>	<b>54,000</b>	<b>54,000</b>	<b>54,000</b>	<b>54,000</b>	<b>2,70,000</b>

\*15 Honorary Physicians on an honorarium of Rs. 150 per mensem each.  
15 Honorary Surgeons on an honorarium of Rs. 150 per mensem each.

10. *To what extent is the scheme productive and/or cost recoverable.*—
11. *Nature of material, machinery, etc., needed from—*
  - (a) *Abroad.*—
  - (b) *Locally.*—
12. *Any other remarks or information.*—The scheme is to be put into execution during the first five years of the fifteen years of the Post-War Reconstruction Programme.

SCHEME No. 35.

1. *Department.*—Medical.
2. *Scheme.*—Increase in the number of beds at the District Headquarter Hospitals.
3. *Brief description of the scheme.*—In order to improve District Headquarter Hospitals so that people in the Districts may be able to get all ordinary treatment near their homes and pressure on certain big hospitals at Poona and Bombay may cease, it is proposed to increase the number of beds in six hospitals in "concentrated areas" and in eight hospitals in other parts of the Province so that each hospital should have a minimum of 75 beds.
4. *Areas selected for application.*—All Parts of the Province including the concentrated areas.
5. *Other Departments concerned.*—
6. *Upper staff for planning and/or execution of the scheme.*—The details of staff are being fixed.
7. *Lower staff for planning and/or execution of the scheme.*—The details of staff are being fixed.
8. *How staff to be obtained.*—To be recruited by advertisement, preference being given to those who have served in the Military Department.
9. *Rough estimate of cost at existing rates for each year of the first five-year plan*—

	1st year	2nd year	3rd year	4th year	5th year	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
a) Capital	*8,52,500	.....	.....	.....	.....	†8,52,500
b) Recurring	1,47,164	1,47,164	1,47,164	1,47,164	1,47,164	†7,35,820
Total	9,99,664	1,47,164	1,47,164	1,47,164	1,47,164	15,88,320

\*For extension of buildings and equipment.

†These figures represent non-recurring and recurring expenditure required for the extension of six hospitals in concentrated areas only which is to be done during the first five-years of the Programme.

10. *To what extent is the scheme productive and/or cost recoverable.*—
11. *Nature of material, machinery, etc., needed from—*
  - (a) *Abroad.*—
  - (b) *Locally.*—Hospital equipment will be obtained from Military hospitals after the war as far as possible.
12. *Any other remarks or information.*—Part II of this scheme regarding the extension of 8 District Headquarter hospitals in "other Parts of the Province other than the concentrated areas" is to be put into execution during the 2nd period of five years of the Post-war Reconstruction Programme. For this part non-recurring expenditure is estimated at Rs. 7,64,000 and recurring expenditure at Rs. 1,87,707.

## SCHEME No. 36.

1. *Department.*—Medical.
2. *Scheme.*—Creation of a cadre of Technicians for X-ray and laboratory work.
3. *Brief description of the scheme.*—At present Laboratory and X-ray work in Government Hospitals and other institutions is done by untrained persons. In the United Kingdom this work is done by trained technicians. It is proposed to create a cadre of 100 such Technicians—70 Laboratory and 30 X-ray Technicians. Graduates in Science will be selected for this purpose and given training at Government expense. A stipend of Rs. 50 will be given to the candidates during the period of training which will extend to 9 months.
4. *Areas selected for application.*—All areas.
5. *Other Departments concerned.*—
6. *Upper staff for planning and/or execution of the scheme.*—Honorary Assistant Radiologist on Rs. 85 per month for a period of 9 months.
- 11 Head Technicians on Rs. 120—8—200.
- 89 Technicians on Rs. 75—5—120.
- 100 Science graduates will be given a stipend of Rs. 50 per mensem in each during the period of training.
7. *Lower staff for planning and/or execution of the scheme.*—
8. *How staff to be obtained.*—To be recruited by advertisement, preference being given to those who have served in the Military Department.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year	2nd year	3rd year	4th year	5th year	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital. ..	*33,000	20,000†	10,000‡	10,000§	Nil.	73,000
(b) Recurring. ..	16,815	22,423	25,128	29,923	33,025	1,27,314**
 Total ..	....	....	....	....	....	2,00,314

\*For Short-wave Therapy apparatus (Rs. 5,000) plus 2 X-ray sets (Rs. 10,000) plus laboratory equipment (Rs. 18,000).

†For 2 X-ray sets (Rs. 10,000) plus laboratory equipment (Rs. 10,000).

‡For one X-ray set (Rs. 5,000) plus laboratory equipment (Rs. 5,000).

§For one X-ray set (Rs. 5,000) plus laboratory equipment (Rs. 5,000).

\*\*This is intended for expenditure on account of training pay, allowances, etc. of 10 Head technicians and 66 technicians.

10. *To what extent is the scheme productive and/or cost recoverable.*—

11. *Nature of material machinery, etc., needed from*

(a) *abroad*—

(b) *locally*—

12. *Any other remarks or information.*—Laboratory Technicians will be trained at the Haffkine Institute, Bombay, and X-ray Technicians at the J. J. Hospital, Bombay. The stipendiary students will be required to sign a bond to serve Government for a period of at least five years after training or else to refund to Government a sum of Rs. 600 on account of tuition fees and stipend received.

24 more technicians will be trained during the first and second years of the second period of five years of the Post-war Reconstruction Programme.

## SCHEME No. 37.

1. *Department.*—Medical.
2. *Scheme.*—Ambulance Service to Central Hospitals.
3. *Brief description of the scheme.*—As a measure of rural medical relief, it is proposed to place at the disposal of each District Headquarter Hospital an Ambulance car for bringing serious cases from the interior of the District to the Civil Hospital. There are 18 Headquarter Hospitals and 18 Ambulance cars are proposed to be provided.
4. *Areas selected for application.*—All areas in the mofussil.
5. *Other Departments concerned.*—
6. *Upper staff for planning and/or execution of the scheme.*—
7. *Lower staff for execution of the scheme.*—18 drivers at Rs. 40 per mensem each plus free quarters.
8. *How staff to be obtained.*—The drivers required for the cars are to be recruited from demobilised personnel.
9. *Rough estimate of costs at existing rates for each year of the First Five-Year Plan.*—

	1st year	2nd year	3rd year	4th year	5th year	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital ..	*1,27,500	....	....	....	....	1,27,500
(b) Recurring ..	†26,640	26,640	26,640	26,640	26,640	1,33,200
<b>Total ..</b>	<b>1,54,140</b>	<b>26,640</b>	<b>26,640</b>	<b>26,640</b>	<b>26,640</b>	<b>2,60,700</b>

\*18 Ambulances at Rs. 5,000 each and 15 garages at Rs. 2,500 each.

†18 drivers at Rs. 40 per mensem each plus free quarters. Petrol, upkeep etc. at the rate of Rs. 1,000 per car.

10. *To what extent is the scheme productive and/or cost recoverable.*—
11. *Nature of material, machinery, etc., needed from—*
  - (a) *Abroad.*—
  - (b) *Locally.*—The Ambulance cars are to be obtained from the Army after the war.
12. *Any other remarks or information.*—The Ambulance cars as well as the drivers are to be obtained from the Army Department through the Government of India.

## SCHEME No. 38.

1. *Department.*—Medical.

2. *Scheme.*—Conversion of dispensaries into cottage hospitals.

3. *Brief description of the scheme.*—With a view to improving the medical facilities in rural areas, it is proposed to convert 33 dispensaries into cottage hospitals so that with the existing five such cottage hospitals there will be at least two cottage hospitals in each of the 19 districts of the Province. These cottage hospitals will provide a co-ordinating link between subsidised Medical Practitioners on one hand and the District Headquarter Hospitals at the other. 17 cottage hospitals are to be opened in parts of the Province other than the concentrated areas—4 in the first year, 4 in the second year and 3 in each of the three subsequent years of the first period of five years of the Fifteen Years Post-war Reconstruction Programme.

4. *Areas selected for application.*—All areas of the Province other than the concentrated areas.

5. *Other Departments concerned.*—

6. *Upper staff for planning and/or execution of the scheme.*—17 Bombay Medical Service Class II Officers on Rs. 200—40/3—400 (Probationers Rs. 150 for the first year and Rs. 180 for the second year) plus H. R. A. at Rs. 25 per mensem.

17 Subordinate Medical Service Officers on Rs. 60—5—170 (Probationers Rs. 50).

34 Nurses in the scale of Rs. 30—3—39 plus Rs. 15 per mensem ration allowance and Rs. 2-8-0 per mensem uniform allowance.

34 Compounders on Rs. 25—5/2—70.

7. *Lower staff for planning and/or execution of the scheme.*—

68 ward servants on Rs. 15 per mensem each.

34 sweepers on Rs. 15 per mensem each.

17 cooks on Rs. 15 per mensem each.

8. *How staff to be obtained.*—To be recruited from outside sources by advertisement, preference being given to those who have served in the Military Department.

9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	4,20,000	4,20,000	3,15,000	3,15,000	3,15,000	17,85,000
(b) Recurring	31,600	63,200	86,900	1,10,600	1,34,300	*4,26,600
Total	4,51,600	4,83,200	4,01,900	4,25,600	4,49,300	22,11,600

For each cottage hospital, buildings are estimated to cost Rs. 1,00,000 and equipment at Rs. 5,000.

\*This is exclusive of the expenditure incurred on dispensaries at present *vide* remark made below.

10. *To what extent is the scheme productive and/or cost recoverable.*—

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—

(b) *Locally.*—The hospital equipment will be obtained as far as possible from the military hospitals after the War.

12. *Any other remarks or information.*—The dispensaries of local bodies are to be selected for conversion into cottage hospitals but these cottage hospitals will be entirely controlled by Government and for that purpose, an amount equal to the expenditure incurred at present on the dispensaries concerned by the local bodies will be recovered from them.

SCHEME No. 39.

1. *Department*.—Medical.
2. *Scheme*.—Subsidised Medical Practitioners.
3. *Brief description of the scheme*.—In order to improve the medical facilities in rural areas, Government has already sanctioned the opening of 330 subsidised Medical Practitioners' Centres. The system has worked so well that it is proposed to open 53 such centres in the parts of the Province other than concentrated areas (37 Allopathic and 16 Ayurvedic and Unani) when more doctors become available after the war.
4. *Areas selected for application*.—All parts of the Province other than concentrated areas.
5. *Other Departments concerned*.—
6. *Upper staff for planning and/or execution of the scheme*.—Expenditure per centre :—

<b>(A) 37 Allopathic Practitioners—</b>	
(i) Honorarium .. ..	Rs. 75 per mensem.
(ii) Travelling allowance (fixed) .. ..	Rs. 25 per mensem.
(iii) Grant for Medicine and instruments .. ..	Rs. 450 per annum.
(iv) Contingencies .. ..	Rs. 5 per mensem.
(v) Rent for each dispensary .. ..	Rs. 180 per annum.
<b>(B) 16 Ayurvedic and Unani Practitioners—</b>	
(i) Honorarium .. ..	Rs. 50 per mensem.
(ii) Travelling allowance (fixed) .. ..	Rs. 15 per mensem.
(iii) Grant for Medicines .. ..	Rs. 250 per annum.
(iv) Contingencies .. ..	Rs. 5 per mensem.
(v) Rent for each dispensary .. ..	Rs. 180 per annum.
7. *Lower staff for planning and/or execution of the scheme*.—Nil.
8. *How staff to be obtained*.—In the recruitment of the personnel required for the proposed allopathic centres preference will be given to those who have served in the Military Department.
9. *Borough estimate of cost at existing rates for each year of the First Five-Year Plan*.—

\*Vide remarks made below.

10. To what extent is the scheme productive and/or cost recoverable.—

11. Nature of material, machinery, etc., needed from.—

(a) Abroad.—

(b) Locally.—

12. Any other remarks or information.—The scheme is to be carried out during the second period of five years of the Post-War Reconstruction Programme as shown below:—

					Allopathic.	Avurvedic and Unani.
1st year	..	..	..	..	8	4
2nd year	..	..	..	..	8	3
3rd year	..	..	..	..	7	3
4th year	..	..	..	..	7	3
5th year	..	..	..	..	7	3

## SCHEME No. 40.

1. *Department.*—Medical.
2. *Scheme.*—Appointment of Nurse-midwives.
3. *Brief description of the scheme.*—The need for trained nursing and skilled assistance for midwifery cases, especially in rural areas, is universally recognised. With a view to meet this need it is proposed to appoint 26 Nurse-midwives more in rural areas. The appointments are to be spread over a period of five years as follows:—

1st year	..	..	..	6 Nurses.
2nd year	..	..	..	5 Nurses.
3rd year	..	..	..	5 Nurses.
4th year	..	..	..	5 Nurses.
5th year	..	..	..	5 Nurses.

4. *Areas selected for application.*—All areas of the Province other than the concentrated areas.

5. *Other Departments concerned.*—

6. *Upper staff for planning and/or execution of the scheme*—26 Nurse-midwives on a pay of Rs. 40 plus house rent allowance of Rs. 10 per mensem each.

7. *Lower staff for planning and/or execution of the scheme.*—

8. *How staff to be obtained.*—To be recruited from outside sources after advertisement, preference being given to those who have served in the Military Department.

9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	..	..	..	..	..
(b) Recurring	..	3,600	6,600	9,600	12,600	15,600
Total	..	3,600	6,600	9,600	12,600	48,000

\*Vide remarks below.

10. *To what extent is the scheme productive and/or cost recoverable.*—

11. *Nature of material, machinery, etc., needed from*

(a) abroad—

(b) locally—

12. *Any other remarks or information.*—The scheme is to be carried out during the second period of five years of the Post-war Reconstruction Programme, as all the posts of nurse-midwives, sanctioned under the existing scheme are not yet been filled owing to scarcity of nurses.

## SCHEME No. 41.

1. *Department.*—Educational.
2. *Scheme.*—Strengthening of the Inspecting staff.
3. *Brief description of the scheme.*—It is proposed to create 85 (70 men's and 15 women's) additional posts of Assistant Deputy Educational Inspectors for the whole Province. These posts will be in addition to the 105 posts which it is proposed to create under scheme No. 92-A.
4. *Areas selected for application.*—Districts in the concentrated areas and other Districts.
5. *Other Departments concerned.*—Nil.
6. *Upper staff for planning and/or execution of the scheme.*—  
For planning—Nil.  
For execution—(i) 70 trained graduates (men) in the scale of Rs. 45—5—115—  
Efficiency Bar—5—145—Efficiency Bar—6—175 each.  
(ii) 15 trained graduates (women) in the scale of  
Rs. 85—5—115—Efficiency Bar—5—145—Efficiency Bar—6—175 each.
7. *Lower staff for planning and/or execution of the scheme.*—  
For planning—Nil.  
For execution—75 peons on Rs. 14 per mensem each.  
10 peons on Rs. 17 per mensem each.
8. *How staff to be obtained.*—  
Upper staff—By transfer from Government schools or recruitment.  
Lower staff—By recruitment as far as possible from returned soldiers.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
i) Capital	Rs. *Nil.					
ii) Recurring	Rs. *Nil.					
Total	Rs. *Nil.					

\*Please see item 12 below.

10. *To what extent is the scheme productive and/or cost recoverable.*—....
11. *Nature of material, machinery, etc., needed from—*  
(a) *Abroad*—....  
(b) *Locally*—Furniture costing Rs. 8,500 is to be obtained locally.
12. *Any other remarks or information.*—The existing inspecting staff is very inadequate in numbers to exercise efficient and effective supervision over primary

schools in the Province. At present an Assistant Deputy Educational Inspector has to inspect about 75 schools. He cannot effectively supervise such a large number of schools with the result that the efficiency of the schools suffers. It is, therefore, proposed to create 190 posts of Assistant Deputy Educational Inspectors (85 under this scheme and 105 under scheme No. 105), so as to bring the ratio of inspecting officers to schools from 1: 75 to the ideal ratio of 1: 50. This scheme is to be implemented after the completion of scheme No. 105, that is to say, from the sixth year after the termination of war. Figures of the cost of the scheme for the first five years have not, therefore, been given. The annual recurring cost of the scheme will be Rs. 1,78,400.

## SCHEME No. 42.

1. *Department.*—Educational Department (Industries).
2. *Scheme.*—Development of the Victoria Jubilee Technical Institute, Matunga.
3. *Brief description of the scheme.*—It is proposed to establish Degree Courses in Textile Manufacture at the V. J. T. Institute, Matunga.
4. *Areas selected for application.*—Matunga, Bombay.
5. *Other Departments application.*—
6. *Upper staff for planning and/or execution of the scheme.*—
7. *Lower staff for planning and/or execution of the scheme.*—
  - (a) *For Planning.*—Nil.
  - (b) *For Execution.*—The following staff to be entertained by the Institute :—
 

Staff.	Scale of pay.
(1) One Reader in Spinning .. ..	500—700
(2) One Reader in Weaving .. ..	500—700
(3) One Senior Lecturer in Textile Physics .. ..	300—25—500
(4) One Lecturer in Textile Chemistry .. ..	170—10—350
(5) One Lecturer in Textile Engineering .. ..	170—10—350
(6) One Lecturer in Spinning .. ..	170—10—350
(7) One Lecturer in Weaving .. ..	170—10—350
(8) One Lecturer in Textile design .. ..	170—10—350
(9) One Part-time Lecturer in Economics .. ..	150 per mensem.
(10) One Part-time Lecturer in German .. ..	50 per mensem.
(11) Two Instructors for Spinning and Weaving Laboratories ..	80—5—150
(12) Six Operatives .. ..	40—2—50
(13) Two Laboratory Attendants .. ..	50—5/2—75
8. *How staff to be obtained.*—To be entertained by the Institute.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

—	1st year	2nd year	3rd year	4th year	5th year	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital .. { Buildings 10,000 l	10,000	..	..	..	..	2,26,470
Plants 2,16,470 }	2,16,470	..	..	..	..	2,26,470
(b) Recurring ..	53,000	53,000	53,000	53,000	53,000	2,65,000
Total ..	2,79,470	53,000	53,000	53,000	53,000	4,91,470

10. *To what extent is the scheme productive and/or cost recoverable.*—The scheme meant to provide adequate facilities for the training of technical men of Supervising and Executive grade required by the Cotton Textile Industry.
11. *Nature of material, machinery, etc., needed from—*
  - (a) *Abroad.*—Nil.
  - (b) *Locally.*—Nil.
12. *Any other remarks of information.*—Orders according administrative approval to the scheme are being issued. The question of sanctioning grants not exceeding Rs. 1,00,000 and Rs. 34,000 towards the non-recurring and recurring expenditure of the scheme to the V. J. T. Institute will be considered by Government in due course, at the time when the scheme is finally to be put into execution.

## SCHEME No. 43

1. *Department.*—Factory Department.
2. *Scheme.*—Research into industrial diseases and hazardous occupations.
3. *Brief description of scheme.*—Although the certifying Surgeon has been devoting some attention to the question of industrial diseases and hazardous occupations he has been unable to do much in this direction owing to the absence of the necessary facilities. A good deal of attention is paid to research in these subjects in England and other western countries and a beginning should be made as early as possible for setting up machinery for research in the Province. It is proposed that a Department of Industrial Medicine should be set up at the J. J. Hospital and a suitable Medical Officer should be appointed for research work and he should be provided with accommodation and necessary facilities and assistance for the research at the J. J. Hospital and the Haffkine Institute. It would be necessary for the Medical Officer to be attached to the Factory Department for the purposes of his research. He would have to be in close contact with the factories and it would be desirable to place the Chief Inspector of Factories in a position of control over the officer so that problems which the Chief Inspector of Factories considers of particular importance are properly investigated. The machinery can be gradually developed for dealing with problems of industrial fatigue and psychology.
4. *Areas selected for application.*—Bombay City in the first instance.
5. *Other Departments concerned.*—Surgeon-General with the Government of Bombay.
6. *Upper staff for planning and/or execution of scheme.*—Medical officer with some research experience.
7. *Lower staff for planning and/or execution of scheme.*—A small staff would be required but it is difficult now to give an estimate of the staff that would be required as there is no previous experience on which to draw.
8. *How staff to be obtained.*—Unless the Army Medical Service is in a position to supply a suitable officer the Medical Officer will have to be recruited locally in consultation with the Surgeon General. The work which the officer will have to do will be of a specialised nature and it may be advisable to send the officer selected to England or America for special training for a short period.
9. *Rough estimate of cost at existing rates for five years.*—It is proposed that the Medical Officer should be given the Bombay Medical Service (Class I) scale with compensatory allowance in lieu of private practice. In the absence of previous experience it would be difficult to give an idea of the cost of equipment, etc., that may be necessary but very roughly the total cost of the scheme in the first year may be put at Rs. 15,000 to Rs. 20,000 and for five years—Rs. 1,00,000.
10. *To what extent is the scheme productive and/or cost recoverable.*—Nil.
11. *Nature of materials, machinery, etc., needed from (a) abroad, (b) locally.*—The necessary equipment would probably be available in the J. J. Hospital and the Haffkine Institute but some additional equipment may be found necessary for this particular type of research. It would be difficult, however, to give any details about this at this stage.
12. *Any other remarks or information.*—The scheme has not yet been finally approved by Government.

## SCHEME No. 44

## ORGANISATION OF MOTOR TRANSPORT.

With the prospect of extensive road development and the release of large numbers of motor vehicles and personnel from the military, it is expected that motor transport will grow considerably in volume in the post-war years. It is proposed to rationalise the organisation of motor transport in the years after the war with a view to greater public convenience and co-ordination of road transport with other communications.

An attempt will be made to absorb in the transport services along with vehicles as many of the demobilised military personnel as possible.

In the interest of greater punctuality, dependability and public convenience, the formation of larger units of operation in the passenger transport services will be encouraged in place of single owner-drivers or smaller units. Efforts will also be made to develop transport in neglected areas and to co-ordinate motor transport with other means of communication so as to be mutually complementary. Development will to some extent be dependent on the development of the road system.

It is not possible to foresee what changes would be necessary in the administrative organisation of the Motor Vehicles Department to achieve these objects. The requisite measures for its expansion and adaptation to these purposes will be taken from time to time as may appear necessary.

## SCHEME No. 45

1. *Department.*—Public Works Department.
2. *Schemes.*—Road Schemes.
3. *Brief Description of Scheme.*—Improvements of existing roads and construction of new roads as under :—

(1)	2,700	Miles	National Highways.
(2)	5,600	„	Provincial Highways
(3)	6,000	„	Major District Roads.
(4)	10,000	„	Minor District Roads.
(5)	14,400	„	Village Roads.

Total 38,700 Miles

4. *Areas selected for application.*—Items (1) and (2) above in the whole Province.

*Items (3) and (4)* 50 per cent. of the expenditure in the first five year period to be in the concentrated area comprising 40 per cent. of the whole Province and 50 per cent. in the remaining area.

*Item (5).*—75 per cent. of the expenditure in the first 5-year period to be in the concentrated area and 25 per cent. in the remaining area.

5. *Other Departments to be consulted.*—Revenue Department, General Department and Finance Department.

6. Upper staff for planning and/or execution of the scheme.
7. Lower staff for planning and/or execution of the scheme.
8. How staff to be obtained.

9. Rough estimates of costs at existing rates for each year of the First Five Year Plan—

	1st year Rs. in lakhs. 293	2nd year Rs. in lakhs. 293	3rd year Rs. in lakhs. 293	4th year Rs. in lakhs. 293	5th year Rs. in lakhs. 294	Total, Rs. in lakhs. 1,466
(a) Capital—						
(b) Recurring—						
(i) Works (excluding normal expenditure on pre-war basis)—	Nil.	6	12	18	24	60

Total Rs. in lakhs .. 293 299 305 311 318 1,526

    (ii) Establishment— 3.6 6.7 8.4 12.7 27.4 58.8

10. *To what extent is the scheme productive and/or costs recoverable.*—Not directly productive and no cost recoverable.

11. *Nature of materials, machinery etc., needed from—*

(a) Aboard      }  
 (b) Locally      } *Vide statement A. attached.*

12. *Any other remarks or information.*—The rough estimates of costs for each of the 2nd and the 3rd Five-Year periods are as under:—

2nd 5-year period. 3rd 5-year period.

(In lakhs of Rupees).

a) Capital	..	..	1467	1467
b) Recurring	..	..	210	360
		Total ..	1677	1827

The details regarding cost and staff are only tentative and have not yet been finally approved by Government.

In accordance with the recommendations contained in the Proceedings of the Conference of Chief Engineers held at Nagpur and the instructions in the matter received from the Government of India, the *Projects Estimates* for roads which are to be submitted to that Government by the 31st August 1944 are being prepared by the Project Organization (consisting of One Superintending Engineer and three Executive Engineers) created for the purpose. The detailed estimates for work to be done in the first two years after the war are to be submitted to the Government of India by the 31st December 1944. The Government of India have still to issue final orders in connection with several points, e.g.—

- (i) Final selection of the roads to be developed as National Highways and Trails.
- (ii) Setting up of a Legal Committee.
- (iii) Formation of an Indian Road Board (Central).
- (iv) Financing of road construction and maintenance, etc.

## STATEMENT A.

## SCHEMES Nos. 45 AND 115.

Showing Machinery and Materials likely to be required for Post-war Road Schemes 36 and 99 in the Bombay Province.

## MACHINERY.

## 1. Road Rollers—

Nos.

Particulars.

- 50 6 Ton Diesel Tandem Rollers.
- 50 8 Ton Diesel Rollers.
- 50 12 Ton Diesel Rollers.
- 75 8 Ton Steam Road Rollers.
- 75 12 Ton Steam Road Rollers.

## 2. Asphalt Boilers—

Nos.

- 150 Each of 350 gallons capacity.

## 3. Cement concrete mixers—

Nos.

- 75 Of 7/10 capacity with Diesel Engines.
- 25 Of 14/20 capacity with Diesel Engines.

## 4. Stone crushers—

Nos.

- 25 24" × 12" size.
- 15 16" × 9" size.
- 10 Granulators.

## 5. Oil Engines—

Nos.

- 50 Each of 30 B. H. P.
- 50 Portable Oil Engines 10 B.H.P.

## 6. Pumps—

Nos.

- 50 Pumps 2" suction to be worked by oil Engines.

## 7. Motor Lorries—

Nos.

- 400 4 to 5 Ton Capacity.

## 8. Tractors and Graders—

Nos.

- 25 Tractors with graders.

## MATERIALS.

					Quantity.
1. Cement	..	..	..	..	50 lakh tons.
2. Asphalt (30/40 Penetration)	..	..	..	3	,,
3. Asphalt (80/100 Penetration)	..	..	..	1	,,
4. Steel (for Bridges)	..	..	..	30,000	tons.
5. G. I. Pipes 1" to 2" size	..	..	..	1,000,000	Rft.

*Note.—* The information given in the above statement is only a rough indication of the probable requirements of materials and machinery so far as can be foreseen at present, as it is not possible to furnish full or more accurate information until a large number of detailed Road Project Estimates are actually prepared. This statement does not also take into account the materials available from local resources.

## STATEMENT B.

## SCHEMES Nos. 45 AND 115—ROADS (ESTABLISHMENT).

## Establishment engaged on Roads.

em.	No. and designation.	Scale. Rs.
(1) <i>Upper Staff for plan-ning and execution.</i>	One Chief Engineer (also 2,750—125—3,000 responsible for Irrigation Buildings and Public Health Schemes).	
	Three Superintending Engineers.	1,750—100—2,150
	Seventeen Executive Engineers.	440—40—1,000
	Sixty-six Deputy Engineers.	250—20—750
(2) <i>Lower Staff for plan-ning and execution.</i>	Two hundred and sixty-six Overseers.	70—5—110—10—250
	Office Staff	.. As per units sanctioned in G. R. No. 6717/36 (1), dated 17th March 1944. Scales sanctioned in that Government Resolution for the various grades will be adopted.

(3) *How Staff to be obtained.*—

The technical staff will be obtained :—

- (1) Partly by promotion from within the Department.
- (2) Partly by recruitment from the market (through the P. S. C.) of men without War or Defence Force Services.
- (3) Partly by recruitment of men from the market or direct from the Defence Forces (through the P. S. C.) of men with War Service.

The ratio between (2) and (3) will be fixed 50 : 50 for the time being.

*Notes.*—(1) Government has under consideration the question of increasing the rates of guaranteed appointments to the B.S.E. Class I and Class II and the S.S.E. Services. The admissions to the B.E. and Diploma Course of College of Engineering, Poona have already been increased by 50 per cent. to allow for the increased number of students to be trained for the three technical services. The question of increasing further admissions to the College of Engineering, Poona is being considered separately. It will also be necessary to give a special temporary guarantee for the B.S.E. Class II and the S.S.E. (Overseers) from April 1945 to April 1949, inclusive, for purposes of training technical men who are required for Irrigation, Roads, Buildings and Public Health Schemes.

(2) Government has under consideration the starting of classes for training works—inspectors and maistrios, who will be required in large numbers for the execution of Post-war Reconstruction Schemes in general.

(3) No special measures of recruitment are necessary for the training of non-technical services such as clerks, draftsmen, etc., excepting the training of sub-divisional clerks. The question of opening training classes for sub-divisional clerks is also under the consideration of Government.

	1st year.	2nd year.	3rd year.	4th year.	5th year.
Rough estimate of cost at the existing rates for each year. (In lakhs of Rupees.)					
year of the first five years plan— Recurring	3·6	6·7	8·4	12·7	27·4

*Notes.*—(1) The cost in the 3rd, 4th and 5th year excludes proportionate cost of one Chief Engineer debited to Irrigation, Buildings and Public Health Schemes.

(2) The cost for the 1st and 2nd year excludes the proportionate cost of S.E., P. C. debited to the Buildings and Irrigation Schemes.

(3) The cost in the 3rd, 4th and 5th year is exclusive of the proportionate cost of one Superintending Engineer debited to the Buildings Scheme.

## SCHEME No. 46.

1. *Department.*—Public Works Department.
2. *Scheme.*—Electric Grid.
3. *Brief description of the scheme.*—The objectives in view are (1) to rationalise the generation of electricity by generating it at a few selected stations having natural advantages, (2) to make available progressively large amounts of electrical energy at low rates and (3) to bring the energy within reach of progressively increasing number of urban and rural populations. To achieve these objectives it is proposed to interconnect the various existing electric power houses, develop some new power stations (like Bhandara and Bhatgar) both hydro and thermal. These new stations will also be interconnected with existing ones. From amongst existing ones those stations which are efficient will be retained as selected stations and those which are inefficient will be shut down and power will be supplied to them from the selected stations. The transmission lines interconnecting any two stations will be tapped on the way to supply townships at present not supplied with electricity. A number of small townships which at present have no electrical energy and which are too far from any one of the interconnecting transmission lines will be equipped with Diesel Engine electric stations till the load is built up to justify their connection with one of the grid transmission lines. When this happens the engine sets will be moved to other towns for load building. Surveys will be carried out for new hydro development, e.g. Randha falls and Kalinadi with a view to developing these as soon as circumstances justify their development.
4. *Area selected for application.*—Gradually the whole Province.
5. *Other Departments concerned.*—General Department and Revenue Department concerning the Local Bodies and possible acquisition of land and way leaves.
6. *Upper staff for planning and/or execution of the scheme.*—Please see Enclosure (I).
7. *Lower staff for planning and/or execution of the scheme.*—Please see Enclosure (II).
8. *How staff to be obtained.*—Gazetted staff through Public Service Commission. Non-gazetted staff by public advertisement and/or by selection by the Special Officer from men already in Government Service.
9. *Rough estimates of cost at existing rates for each year of the first five-year plan.*—
 

(a) Capital	..	}	Please see statement attached, Enclosure (III).
(b) Recurring	..		
10. *To what extent is the scheme productive and/or cost recoverable.*—The scheme is expected to be self-supporting in about 10 years time.
11. *Nature of material, machinery, etc., needed from—*

(a) abroad	..	}	Please see statement attached, Enclosure (IV).
(b) locally	..		
12. *Any other remarks or information.*—The details of cost and staff are only tentative and have not yet been finally approved by Government.

## ENCLOSURE I.

Number.	Designation of post.	Seale of pay.
		Rs.
(1) One	One Senior Engineer ..	2,500—125—3,000
(2) One	Hydro Engineer ..	1,500—50—1,750—100— 2,150
(3) One	Transmission Engineer ..	Do.
(4) One	Diesel and Steam Engineer ..	Do.
(5) One	Power Costing and Power Sales Engineer.	Do.
(6) One	Senior Assistant Engineer (Hydro) ..	540—40—700—50—1,200
(7) One	Senior Assistant Engineer (Trans- mission).	Do.
(8) One	Senior Assistant Engineer (Diesel and Steam).	Do.
(9) One	Senior Assistant Engineer (Power Costing and Power Sales).	Do.
(10) One	Junior Assistant Engineer (Power Costing and Power Sales.)	250—20—750

*Note.—This is the minimum establishment for planning. Later on it is anticipated that considerable additional staff will be required for supervision of execution of the scheme and subsequent running and maintenance of the power houses and transmission and distribution system.*

## ENCLOSURE II.

Number.	Designation of post.	Scale of pay.
Five	.. Technical Assistants ..	Rs. .. 70—5—110—10—250 (Graduates to start Rs. 120.)
One	.. Head Draughtsman (Senior)	.. 165—8—245
One	.. Draughtsman (Junior) ..	.. 125—5/2—190
		<i>Clerical.</i>
One	.. Superintendent ..	.. 275—20—375—25—425
Two	.. Senior Clerks ..	.. 150—10—220
Five	.. Junior Clerks { Lower Grade .. Higher Grade ..	.. 50—5/2—90 .. 95—5—140
	(The proportion between the lower grade and the higher grade should be 3 : 2.)	
One	.. Stenographer ..	.. 150—5—250
Five	.. Steno-typists ..	.. 75—5/2—90—5—140
	<i>Inferior Establishment.</i>	
One	.. Naik ..	.. 27 per mensem.
Two	.. Peons ..	.. 25 per mensem each.
Eleven	.. Peons ..	.. 23 per mensem each.
Two	.. Hamals ..	.. 23 per mensem each.

*Note.*—This is the minimum establishment for planning. Later on it is anticipated that considerable additional staff will be necessary in connection with construction, running and maintenance of power houses, transmission and distribution systems.

## ENCLOSURE III.

	First year.	Second year.	Third year.	Fourth year.	Fifth year.	Total.
	Rs.	Rs.	Rs.	Crores.	Crores.	Crores.
Capital (including cost of machinery plant and equipment and its erection as well as power house and sub-station buildings).	..	..	1.60	2.40	4	
Recurring—						
Special Officer	..	48,000	48,000	48,000	48,000	48,000
Gazetted Staff	..	1,30,920	1,36,980	1,43,040	1,49,100	1,55,160
Non-Gazetted staff	..	39,480	40,836	42,732	43,962	45,738
Contribution towards contributory Provident Fund.	10,212	10,676	11,173	11,628	12,118	
Allowances, Honoraria, including overseas pay.	18,800	18,800	18,800	18,800	18,800	
Contingencies	..	7,100	7,100	7,100	7,100	7,100
	Total	2,54,512	2,62,392	2,70,845	2,78,590	2,86,916
Estimated cost of additional establishment for planning and supervision of erection and maintenance work.	....	....	2,22,845	2,30,590	2,38,916	
Grand Total	..	2,54,512	2,62,392	4,93,690	5,09,180	5,25,832
						20,45,60

ENCLOSURE IV.

*List of Heavy Plant and Equipment likely to be required from abroad.*

Item.	Description.	Quantity required.
1	<i>Generating Plant—</i>	
	Hydro Electric Turbo Generator Sets 10,000 KW.	.. 3 Nos.
2	<i>Transformers—</i>	
	From 50 KVA. to 12,000 KVA. (33 and 110 KV.)	.. 85 ,,
3	<i>Synchronous Condensers</i>	.. 2 ,,
4	<i>Switchgears—</i>	
	(a) Oil Circuit Breakers	.. 45 ,,
	(b) Disconnecting switches	.. 149 ,,
	(c) Fuses	.. 200 ,,
	(d) Lightning Arresters	.. 44
5	Diesel Oil Engine Alternator Sets (50 to 150 KW each)	.. 15 to 20 Nos.

*List of Equipment to be purchased in India.*

1	11 KV. Transformers	..	..	..	22 Nos.
2	11 KV. and L.T. Oil Circuit Breakers	..	..	105	„
3	Do.	Switchgear.			
4	Copper Wire.				
5	Poles.				
6	Insulators.				
7	Miscellaneous small items.				

## SCHEME No. 47.

1. *Department.*—Public Works Department.
2. *Scheme.*—Manufacture of Ammonia Sulphate.
3. *Brief description of the scheme.*—It is proposed to manufacture for the use of this Province approximately 50,000 tons of Ammonia Sulphate per year. The Technical Mission (Fertilisers) from the United Kingdom are at present on a visit to this Province and their tentative idea is that if a factory is established in this Province it will be desirable that its capacity should be much greater than the above figure so that the factory can supply to this Province, Kathiawar and Sind in the North and Indian States within the geographical bounds of this Province and near it. The factory may therefore be easily of 100,000 tons per year capacity.
4. *Area selected for application.*—The whole matter is under investigation by the mission and it is too early to give any details regarding the factory or even to say whether they will recommend establishment of a factory in this Province at all. If they do, it is likely to be located in Kalyan.
5. *Other Departments concerned.*—Revenue Department.
6. *Upper staff for planning and/or execution of the scheme.*—Details are not available until the report of the Committee is available. It is expected, however, about twelve Technical Officers will be required.
7. *Lower staff for planning and/or execution of the scheme.*—Details are not available until report of the Committee is available. It is expected, however, about 40 members of lower technical personnel, 400 semi-skilled and 400 unskilled men are likely to be required.
8. *How staff to be obtained.*—The higher staff (2 or 3 men) may possibly be selected and sent abroad for training. The other personnel will be recruited locally.
9. *Rough estimates of cost at existing rates for each year of the first five-year plan.*—
  - (a) *Capital.*—If the factory is of the capacity of 50,000 tons the capital may be about one crore of rupees, and the money is likely to be required commencing from about a year from now and ending about two years from now.
  - (b) *Recurring.*—It is not possible to give this information till the report of the mission is available.
10. *To what extent is the scheme productive and/or cost recoverable.*—Expected to be self-supporting in a few years.
11. *Nature of material, machinery, etc., needed from—*
  - (a) abroad .. } The mission has visited a number of Engineering works in Bombay with a view to decide on the parts of machinery which can be made locally. Exact information in this respect will be available when the mission submit their report to Government.
  - (b) locally .. }
12. *Any other remarks or information.*—The details of this scheme have not yet been finally approved by Government.



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**PARTICULAR AREA SCHEMES**

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## SCHEME No. 48.

1. *Department.*—Agriculture.

2. *Scheme.*—Application of groundnut cake manure to paddy, irrigated wheat and irrigated jowar crops.

3. *Brief description of the Scheme.*—It is proposed to apply groundnut cake manure to paddy crop under tank and canal irrigation and in low lying areas of the rice tract and to irrigated wheat and irrigated jowar crops mostly in the Deccan.

The areas under rice, irrigated wheat and irrigated rabi jowar in Bombay Province are 20 lakhs,  $1\frac{1}{2}$  lakhs and about 3 lakhs acres, respectively.

The application of cake manure to these three crops at the rate of 1 ton to 5 acres is observed to have increased the yield on an average by about 30 per cent. It is proposed to operate within a period of five years 2 to 4 lakhs paddy and 50 to 100 thousand acres of each of the two other crops.

The price of groundnut cake will be controlled at Rs. 70 per ton F.O.R. nearest railway station to the Oil Mills. The transport charges to the Depots by rail and/or by road is estimated at Rs. 20 per ton. The total price of groundnut cake manure at the distributing depots, therefore, is estimated at Rs. 90 per ton.

Government will give a subsidy on a sliding scale from Rs. 30 in the first year to Rs. 10 in the fifth year per ton and the cultivators will bear the remaining cost from Rs. 60 in the first to Rs. 80 in the fifth year per ton.

The staff engaged in seed multiplication and distribution schemes will work for the distribution of cake manure but there will be a separate special staff for purchasing and transporting cake from the mills, to issue permits, to receive returns and to control the price of the cake frozen.

The total expenditure to Government on subsidies and staff is estimated at Rs. 84 lakhs and the additional income to the cultivators will be about rupees nine crores and fifteen lakhs during the period of five years for which the Scheme is proposed. The following statement gives an idea of the areas and the quantity of manure to be applied to different crops in different years.

Year.	PADDY.		WHEAT.		IRRIGATED JOWAR.		TOTAL.	
	Acres.	Tons.	Acres.	Tons.	Acres.	Tons.	Acres.	Tons.
1st	200,000	40,000	50,000	10,000	50,000	10,000	300,000	60,000
nd	250,000	50,000	60,000	12,000	60,000	12,000	370,000	74,000
rd	300,000	60,000	70,000	14,000	70,000	14,000	440,000	88,000
th	350,000	70,000	80,000	16,000	80,000	16,000	510,000	102,000
th	400,000	80,000	100,000	20,000	100,000	20,000	600,000	120,000

4. *Areas selected for application.*—Dharwar, Belgaum, Kanara, Ratnagiri, Thana Kolaba and Bombay Suburban for application to paddy crop and Deccan for irrigated wheat and irrigated Jowar.

5. *Other Departments to be consulted.*—

6. *Upper staff for planning and/or execution of the Scheme.*—6 Agricultural Officers for five years.

7. *Lower staff for planning and/or execution of the Scheme.*—13 clerks, 5 kamgars and 12 peons for five years.

8. *How staff is to be obtained.*—By promotion and recruitment. Returned soldiers can be appointed to posts of clerks, kamgars and peons after suitable training.

## 9. Rough estimate of cost at existing rates for each year of the first five-year plan.—

Items.	Year.				
	1st Rs.	2nd Rs.	3rd Rs.	4th Rs.	5th Rs.
(a) Capital (Subsidy by the Government of Bombay and the Government of India).	18,00,000	18,50,000	17,60,000	15,30,000	12,00,000
(b) Recurring ..	52,260	45,960	47,760	48,300	50,040
Total ..	18,52,260	18,95,960	18,07,760	15,78,300	12,50,040
Grand total ..	Rs. 83,84,320				

10. To what extent the Scheme is productive and/or recoverable.—The resulting additional income to cultivators from different crops by working the Scheme would be as under :—

Year.	Area to be manured.	Total additional yield at 3 maunds per aere.	Value of additional yield.
	Aeres.	Maunds. Rice.	Rs.
1st ..	200,000	600,000	96,00,000
2nd ..	250,000	750,000	1,20,00,000
3rd ..	300,000	900,000	1,44,00,000
4th ..	350,000	1,050,000	1,68,00,000
5th ..	400,000	1,200,000	1,92,00,000
	1,500,000	4,500,000	7,20,00,000
<i>Irrigated Wheat.</i>			
1st ..	50,000	150,000	18,00,000
2nd ..	60,000	180,000	21,60,000
3rd ..	70,000	210,000	25,20,000
4th ..	80,000	240,000	28,80,000
5th ..	100,000	300,000	36,00,000
	360,000	1,080,000	1,29,60,000
<i>Irrigated Jowar.</i>			
1st ..	50,000	150,000	9,00,000
2nd ..	60,000	180,000	10,80,000
3rd ..	70,000	210,000	12,60,000
4th ..	80,000	240,000	14,40,000
5th ..	100,000	300,000	18,00,000
	360,000	1,080,000	64,80,000
Grand Total ..	2,220,000	6,660,000	9,14,40,000

11. Nature of materials, machinery, etc., needed from—

(a) abroad.—Typewriters.

(b) locally.—Office furniture, equipments, etc.

12. Any other remarks or information.—The details of the schéme have not yet been approved by Government.

## SCHEME No. 49.

## 1. Department.—Agriculture.

2. Scheme.—Preparation of a mixture of ammonium phosphate, bonemeal and groundnut cake and its application to potato crop.

3. Brief description of the Scheme.—It is proposed to prepare a mixture of ammonium phosphate, bonemeal and groundnut cake and apply the same to potato crop over the area of 5,000 rising to 9,000 acres in five years. The mixture will be applied at the rate of 580 lbs. per acre which amounts to 70 lbs. Nitrogen and 70 lbs. phosphoric ( $P_2O_5$ ) acid. The cost comes to Rs. 65 per acre. A godown will be constructed and a mixing plant will be erected at *Khed*, which is the heart of potato growing tract and the mixture will be prepared on the spot for distribution to the cultivators at cost price. There will be no loss to Government except the small cost of the staff to work the plant. The following statement gives an idea of the areas and the quantities of the mixture to be prepared and distributed to the cultivators during the period of five years.

Year.	Area in acres.		Quantity of mixture to be prepared and distributed in tons.
	1st	2nd	
1st	..	..	5,000 1,330
2nd	..	..	6,000 1,600
3rd	..	..	7,000 1,870
4th	..	..	8,000 2,140
5th	..	..	9,000 2,410

4. Area selected for application.—Poona and Satara districts.

5. Other Departments to be consulted.—

6. Upper staff for planning and/or execution of the Scheme.—One Senior Agricultural Officer.

7. Lower staff for planning and/or execution of the Scheme.—2 clerks, 4 kamgars and 2 peons.

8. How staff is to be obtained.—By promotion and recruitment. Returned soldiers can be appointed as clerks, kamgars and peons after suitable training.

9. Rough estimates of cost at existing rates for each year of the first five-year plan.—

Items.	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
						Rs.
(a) Capital (Cost of building and plant)	..	40,000	....	....	....	....
(b) Recurring	..	9,000	9,000	9,000	9,000	9,000
Total	..	49,000	9,000	9,000	9,000	9,000

Grand Total .. Rs. 85,000

10. To what extent is the Scheme productive and/or cost recoverable.—The resulting additional income to cultivators from different crops by working the scheme would be as under :—

Year.	Area under potatoes to which the manure is applied in acres.	Total additional yield in maunds.	Value of the additional yield in rupees.
			Rs.
1st	.. 5,000	125,000	8,75,000
2nd	.. 6,000	150,000	10,50,000
3rd	.. 7,000	175,000	12,25,000
4th	.. 8,000	200,000	14,00,000
5th	.. 9,000	225,000	15,75,000
		875,000	61,25,000

11. Nature of materials, machinery, etc., needed from—

- (a) abroad.—Typewriters.
- (b) locally.—Office furniture, equipments, etc.

12. Any other remarks of information.—An amount of Rs. 3 lakhs may be kept as Personal Ledger Account for purchase of different ingredients of manure at the disposal of the Deputy Director of Agriculture (Headquarters), Poona. The details of the scheme have not yet been approved by Government.

## SCHEME No. 50.

1. *Department.*—Agriculture.
2. *Scheme.*—Extension and organisation of vegetable and fruit cultivation in suitable areas and of the supply of such produce to consumers.
3. *Brief description of the scheme.*—Provides for the development of fruit and vegetable production in the Province by (a) the provision of the necessary specialized district staff, (b) the establishment of district fruit and vegetable nurseries, (c) scientific research work in horticulture, etc., at two district sub-stations, (d) experimentation and training in fruit preservation and fruit product manufacture, etc., etc.
4. *Areas selected for application.*—Whole of the Province particularly areas suitable for expansion of vegetable production.
5. *Other Departments concerned—Revenue Department.*—In regard to sites for research stations, nurseries, etc.
- Co-operative Department.*—In regard to the co-operative organisation of fruit and vegetable producers and for the marketing of fruit and vegetables and their products.
- Industries Department.*—In regard to the organisation of the preservation of fruits and vegetables and the manufacture of fruit and vegetable products and their marketing.
- Military Department.*—In regard to suitable ex-soldiers for training and staff appointments.
6. *Upper staff for planning and/or execution of the scheme.*—No distinction need be made between staff proposed for (a) preparation of plans and estimates and (b) execution of scheme. The staff required for training purposes is all provided for in the 1st year of the Scheme.

		1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(1) Class II B.A.S. ..	..	1	2	1	..	..	4
(2) Agricultural Officers—							
(a) Grade I ..	..	4	3	3	1	..	11
(b) Grade II ..	..	..	4	3	2	..	9

7. *Lower staff for planning and/or execution of the scheme.*—

		1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
Agricultural Assistants—							
(a) Grade I ..	..	4	1	1	..	..	6
(b) Grade II ..	..	..	3	3	3	..	9
Malis ..	..	10	11	11	6	..	38
Laboratory Assistants ..	..	..	3	3	..	..	6
Clerical and Office staff—							
Senior clerks ..	..	1	2	..	..	..	3
Junior clerks ..	..	4	6	6	..	..	16
Peons ..	..	6	7	5	1	..	19

8. *How staff to be obtained.*—Class II Bombay Agricultural Service posts will be filled by promotion from existing staff in the Agricultural Department and similarly, the Grade I Agricultural Officers will be provided from existing cadres. The Agricultural Assistants and other lower staff will be recruited from personnel trained at horticultural training centres run by the Department. Malis will be obtained from similar training centres.

9. *Rough estimate of cost at existing rates for each year of the First Five-year Plan.—*

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Capital	..	1,00,000	1,00,000	42,000	....	....
Recurring	..	42,040	1,15,830	1,44,428	1,58,212	1,62,816
	—	—	—	—	—	—
	1,42,040	2,15,830	1,86,428	1,58,212	1,62,816	8,64,326

10. *To what extent is scheme productive and/or cost recoverable.*—The work of the scheme, in its different aspects, will not be directly productive of cash income to any appreciable extent. However, indirect returns should be considerable by the extension of better fruit and vegetable cultivation, expansion of fruit and vegetable preservation as a cottage industry, etc.

11. *Nature of materials, machinery, etc., needed from.—*

(a) *Abroad*—Most of machinery equipment, etc., for preservation and canning laboratories will have to be imported Vegetable seeds, etc.

(b) *Locally*—All other equipment, e.g., horticultural tools and implements, furniture, etc.

12. *Any other remarks or information.*—The scheme offers scope for very suitable employment for ex-soldiers in the fruit and vegetable industries and should have a considerable effect in increasing the acreages under fruit and vegetable crops in the districts.

The details of the scheme have not yet been approved by Government.

## SCHEME No. 51.

1. *Department.*—Agriculture.
2. *Scheme.*—Scheme for extensive work in Livestock Improvement.
3. *Brief description of the scheme.*—Provides for the expansion of Livestock Improvement work particularly for the establishment of three Government Cattle Breeding Farms for useful breeds of cattle at present inadequately provided for in this respect.

To establish Government Cattle Breeding Farms for (a) the Dangi breed in Nasik District and (b) the Gir breed in Poona and Dangi breed in Ratnagiri districts, i.e., 3 additional farms. At present there are no Government farms for these important breeds in the Province.

4. *Areas selected for application.*—
  - (i) Nasik District;
  - (ii) Poona District;
  - (iii) Ratnagiri District.

5. *Other Departments concerned—Revenue Department.*—In regard to sites and lands for the location of the Cattle Breeding Farms.

*Public Works Department.*—In regard to any construction work to be carried out under the Scheme.

*Co-operative Department.*—In regard to propaganda and organisation towards the formation of Cattle Breeding Societies and other co-operative organisations for the Welfare of Cattle breeders and farmers, etc.

6. *Upper staff for planning and/or execution of the scheme.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
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**A. Upper staff—**

Non-gazetted staff—

Agricultural Officers in-charge Cattle Breeding Farms.	1	1	1	..	..	3
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7. *Lower staff for planning and/or execution of the scheme.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
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**B. Lower staff—**

Non-gazetted but trained—

(1) Agricultural assistants..	1	1	1	..	..	3
(2) Cattle Kamgars	..	2	2	2	..	..

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**C. Clerical and Office staff—**

(1) Junior clerks	..	1	1	1	..	..
(2) Peons	..	1	1	1	..	3

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8. *How staff to be obtained.*—Agricultural Officers in charge Cattle Breeding Farms will be obtained by promotion within the cadre of the Livestock Section

Lower (technical staff) will be provided partly by promotion of suitable existing staff and by direct recruitment and training on Government Cattle Farms of suitable persons for cattle kamgars.

Clerical and office staff will be obtained by direct recruitment.

9. *Rough estimates of cost at existing rates for each year of the first five-year plan.*

Item.		1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) <i>Dangi Cattle Breeding Farm in Nasik District</i> —							
Capital	..	1,00,000	..	..	..	..	1,00,000
Recurring	..	20,000	21,256	21,904	23,628	24,313	1,11,101
(2) <i>Gir Cattle Breeding Farm in Poona District</i> —							
Capital	..	..	1,30,000	..	..	..	1,30,000
Recurring	..	..	22,744	25,096	26,116	26,323	1,00,270
(3) <i>Dangi Cattle Breeding Farm in Ratnagiri District</i> —							
Capital	..	..	..	1,00,000	..	..	1,00,000
Recurring	..	..	..	20,000	21,256	22,364	63,620
Total .. { Capital	..	1,00,000	1,30,000	1,00,000	..	..	3,30,000
{ Recurring	..	20,000	44,000	67,000	71,000	73,000	2,75,000

(Note.—No provision on account of lands is made.)

10. *To what extent is the scheme productive and/or cost recoverable.*—When the Cattle Breeding Farms are established it is hoped that the annual receipts of the farms on account of sale of milk, breeding bulls and surplus stock will be as under:—

	Rs.
Gir Cattle Farm in Poona	.. .. 10,000
Dangi Cattle Farm in Ratnagiri	.. .. 5,000
Dangi Cattle Farm in Nasik	.. .. 5,000

11. *Nature of materials, machinery, etc., needed from.*—

(a) *Abroad*—Dairy equipment, cream separators, butter churns.

(b) *Locally*—Agricultural implements—byre equipment; pails, chains, ropes, etc., Grass Drying plant, etc., Building materials, etc.

12. *Any other remarks of information.*—Estimates of land not included as it is assumed that Government lands will be made available.

The details of the scheme have not yet been approved by Government.

## SCHEME No. 52.

1. *Department*.—Agricultural.
2. *Scheme*.—Scheme for establishment of Sheep Breeding Sub-stations for work on the improvement of Sheep and Wool in (a) Khandesh, and (b) Ahmedabad Districts.
3. *Brief description of the Scheme*.—Provides for the expansion of Livestock improvement work particularly for the establishment of Sheep Breeding Sub-stations for work on the improvement of the sheep—and wool—in (a) Khandesh and b) Ahmedabad districts. At present, the important breeds of sheep in these areas are neglected so far as work on scientific breeding and wool improvement is concerned. Existing sheep stations are sub-stations in the Province are at Poona, Javale (Sholapur district), Bagalkot (Bijapur District) and Belgaum only.
4. *Areas selected for application*.—(i) Khandesh district ; (ii) Ahmedabad district.
5. *Other Departments concerned*.—Revenue Department in regard to selection of and location of the Sheep Breeding Farms.
6. *Upper staff for planning and/or execution of the scheme*.—Nil.
7. *Lower staff for planning and/or execution of the scheme*.—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
a) Non-graduate but trained—						
(1) Agricultural Assistants ..	2	2	..	..	..	4
(2) Flockman ..	1	1	..	..	..	2

8. *How staff to be obtained*.—The Agricultural Assistants will be recruited directly and trained at the Sheep Breeding Research Station, Poona.

9. *Rough estimates of cost at existing rates for each year of the first five year plan* :—

Items.	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1) Sheep Breeding Sub-station, Khandesh—						
Capital ..	10,000	..	..	..	..	10,000
Recurring ..	5,000	5,000	5,000	5,000	5,000	25,000
(2) Sheep Breeding Sub-station, Gujarat—						
Capital ..	..	10,000	..	..	..	10,000
Recurring ..	..	5,000	5,000	5,000	5,000	20,000
Total. { Capital ..	10,000	10,000	..	..	..	20,000
Recurring ..	5,000	10,000	10,000	10,000	10,000	45,000

(Note.—No provision on account of lands is made.)

10. *To what extent is the Scheme productive, and/or cost recoverable.*—When the Farm is established the receipts by sale of stud sheep, wool and discarded sheep will approximately amount to Rs. 1,000.

11. *Nature of materials, machinery, etc. needed from—*

(a) *abroad.*—Shearing scissors,

(b) *locally.*—Agricultural implements, Veterinary instruments, hoppers, furniture, wire-netting, etc.

12. *Any other remarks of information.*—Estimates of land not included as it is assumed that Government land will be made available.

(2) The details of the scheme have not yet been approved by Government.

## SCHEME No. 53

1. *Department.*—Agricultural.
2. *Scheme.*—Scheme for extension work in Livestock.
3. *Brief description of the Scheme.*—Provides for the expansion of Livestock improvement particularly for the establishment of Government Poultry Breeding Farms for useful breeds of Poultry at present inadequately provided for in this respect.
4. *Areas selected for application.*—
  - (i) Satara District;
  - (ii) Nasik District;
  - (iii) Surat District.
5. *Other Departments concerned.*—Revenue Department in regard to sites and lands for the location of the Poultry Breeding Farms.  
Public Works Department in regard to any construction work to be carried out under the Scheme.  
Co-operative Department in regard to propaganda and organisation towards the formation of Poultry Breeding and Egg Marketing Societies and other Co-operative organisations for the Welfare of Poultry breeders and farmers, etc.
6. *Upper staff for planning and/or execution of the scheme.*—Nil.
7. *Lower staff for planning and/or execution of the scheme.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
<i>Non-gazetted staff</i> —						
Non-gazetted but trained staff—						
(1) Agricultural Assistants as Managers .....	1	2	..	..	..	3
(2) Field Kamgars .....	1	2	..	..	..	3

8. *How staff to be obtained.*—Managers will be obtained by promotion with the cadre of the Livestock Section.  
Lower (technical staff) will be provided partly by promotion of suitable existing staff and by direct recruitment and training on Government Poultry Farms.

9. Rough estimates of cost at existing rates for each year of the first Five Year Plan :—

Item.	1st	2nd	3rd	4th	5th	Total
	year.	year.	year.	year.	year.	Rs.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Establishment of Poultry Farm in District Satara—						6,000
Capital	..	6,000	..	..	..	20,000
Recurring	..	4,000	4,000	4,000	4,000	
(2) Establishment of Poultry Farm in District Nasik—						6,000
Capital	..	..	6,000	..	..	16,000
Recurring	..	..	4,000	4,000	4,000	
(3) Establishment of Poultry Farm in District Surat—						6,000
Capital	..	..	6,000	..	..	16,000
Recurring	..	..	4,000	4,000	4,000	
Total— Capital	..	6,000	12,000	..	..	18,000
Recurring	..	4,000	12,000	12,000	12,000	52,000

(Note.—No provision on account of lands is made.)

10. To what extent is the Scheme productive and/or cost recoverable.—When the Poultry Breeding Farms are established, it is hoped, that the annual receipts of the farms on account of sale of hatching eggs, and pedigree stock of birds will be Rs. 2,000 approximately.

11. Details of materials, machinery, etc. needed from—

(a) abroad.—Incubators, Punching sets, Leg bands and rings, etc.

(b) locally.—Poultry House and yard equipment, small agricultural Implements, Feeding hoppers, etc.

12. Any other remarks of information.—Provision of land is not included in the Scheme since it will come from provincial resources.

(2) The details of the scheme have not yet been approved by Government.

## SCHEME No. 54

*Scheme—Expansion of Irrigation Facilities by—*

- (a) Construction and Improvement of (i) Wells and (ii) Tanks.
- (b) Erection of Pumping Plants.

1. *Department.*—Agricultural.

2. *Scheme.*—Expansion of irrigation facilities by (a) construction and improvement of wells and tanks and (b) erection of pumping plants.

3. *Brief description of the scheme.*—(a) In order to increase the area under irrigation, new wells will be constructed in suitable tracts and the old wells will be improved by repairing, cleaning and deepening them. To ensure the maturity of rice crop, new tanks will be constructed in the Malnad tract and old tanks will be improved by silt clearance and raising and repairing the bunds etc.

(b) Encouragement will be given for installing pumping plants on river sites, tanks and wells by the way of giving subsidies, tagai loans and technical advice and assistance.

4. *Areas selected for application.*—(a) Well construction and improvement—All over the Province. The tank construction and improvement—Malnad Tract of the Province (Rice growing area).

(b) Pumping Plant erection will be carried out all over the Province at suitable sites.

5. *Other Departments concerned.*—(a) (i) Revenue Department for granting Tagai loans; (ii) Military Departments for getting personnel.

(b) Co-operative Department for forming Co-operative Societies for pumping.

6. *Upper staff for planning and/or execution of the scheme.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) (i) Class II B. A. S. ..	1	..	..	..	..	1
(ii) Well Supervisors, 130— 10—250 ..	4	..	..	..	..	4
(b) (ii) Mechanical Assistants ..	2	1	1	..	..	4

7. *Lower staff planning and/or execution of the scheme.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) (i) Well Inspectors .. 54—4—90	30	..	..	..	..	30
(ii) Head Clerk .. 95—5—125	1	..	..	..	..	1
(iii) Senior Clerk .. 80—5 2—95	1	..	..	..	..	1
(iv) Junior Clerk ..	6	..	..	..	..	6
(v) Peons ..	7	..	..	..	..	7
(b) (i) Senior Mechanic .. 90—4—130	2	1	1	..	..	4
(ii) Junior Mechanic .. 30—2—60	2	1	1	..	..	4
(iii) Senior Clerk .. 80—5 2—95	1	..	..	..	..	1
(iv) Junior clerks .. 25—5/2—55	3	1	1	..	..	5
(v) Peons ..	3	1	1	..	..	5

8. *How staff is to be obtained.*—Some by promotion within the existing cadres under the Agricultural Engineer and the rest by direct recruitment. Technical personnel can be recruited from returned soldiers.

9. *Rough estimates of cost at existing rates for each year of the first Five-Year Plan.—*

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) (i) Capital	.. 29,50,000	29,50,000	29,50,000	29,50,000	29,50,000	1,47,50,000
(ii) Recurring	.. 72,000	70,000	72,000	74,000	77,000	3,65,000
	—	—	—	—	—	—
Total	.. 30,22,000	30,20,000	30,22,000	30,24,000	30,27,000	1,51,15,000
	—	—	—	—	—	—
(b) (i) Capital	.. 3,00,000	3,00,000	3,00,000	3,00,000	3,00,000	15,00,000
(ii) Recurring	.. 16,000	21,000	28,000	29,000	30,000	1,24,000
	—	—	—	—	—	—
Total	.. 3,16,000	3,21,000	3,28,000	3,29,000	3,30,000	16,24,000
	—	—	—	—	—	—
Grand Total	.. 33,38,000	33,41,000	33,50,000	33,53,000	33,57,000	1,67,39,000

10. *To what extent is the scheme productive and cost recoverable.*—(a) This scheme would annually bring 14,500 acres under irrigation and produce about 1,92,000 maunds of grain (wheat, Jowar, rice and pulses) costing about Rs. 30,00,000. The above results will be progressively achieved for five years. The recoverable amount is Rs. 92,00,000, the return of Tagai loan.

(b) This scheme will bring annually 1,000 acres under irrigation each year, producing about 12,000 maunds of grain costing about Rs. 1,80,000. These results will be progressively achieved for five years. The recoverable amount is Rs. 10,00,000 the return of Tagai loans.

11. *Nature of materials machinery etc. needed from—*

(a) *Abroad.*—50 diesel engines, each of about 50 H.P. size, 50 pumps, each of about 6" size and other accessories like piping, belting, bearings, shafting and other stores.

(b) *Locally*—(a) and (b) Office furniture.

12. *Any other remarks or information.*—(a) The tanks and wells will be constructed and repaired by the cultivators themselves and they will be paid one third of the total actual cost as subsidies and the rest as tagai loans to be recovered in five years with the rate of interest of 3½ per cent.

(b) The pumping plants will be installed and operated by individual cultivators or co-operative Societies. Each Plant will bring about 100 acres under irrigation. One third of the actual total cost will be paid as subsidy and the rest in the form of tagai loan to be recovered in five years. The rate of interest will be 3½ per cent.

(2) The details of the scheme have not yet been finally approved by Government.

## SCHEME No. 55.

1. *Department.*—Co-operative.
2. *Scheme.*—District Industrial Associations.
3. *Brief description of the scheme.*—There are at present 9 industrial associations in the 7 districts for the marketing of handloom products. It is proposed that such associations may be organised in other districts not only for development of handloom weaving, but also for other cottage industries and subsidiary industries. The various subsidiary occupations and cottage industries which could be organised in different districts have already been indicated in the Bombay Industrial and Economic Survey Reports (Sir P. Thakordas Reports). With the material that is already available and with the technical advice obtained from the Industries Department, it may be possible to organise a number of societies on co-operative basis which would work as producing centres and feeders to the proposed industrial associations.
- It would also be desirable to organise a Provincial Industrial Federation on the lines of similar institutions working in United Province and Madras, so that it will function as a central institution to co-ordinate the activities of the District Industrial Associations and other industrial co-operatives. The proposed federation would require financial assistance in the initial stages. Provision has accordingly been made to meet the cost of the Secretary for the first three years. Government may also waive recovery of leave and pension contributions for this period. In addition, the society would require to be given grant-in-aid during the first three years to meet the deficit, if any, in its cost of management and provision to the extent of Rs. 10,000 is made on this account.
4. *Areas selected for application.*—The coastal districts of North Kanara, Kolaba, Ratnagiri, Thana and Surat and other districts, viz., Poona, Satara, East Khandesh and Kaira.
5. *Other Departments concerned.*—Department of Industries.
6. *Upper staff for planning and/or execution of the scheme.*—One Secretary for the Provincial Federation (Rs. 135—5—180)—  
10 Managers (on Rs. 70 per mensem) one for each Association.
7. *Lower staff for planning and/or execution of the scheme.*—
8. *How staff to be obtained.*—Managers could be recruited from the Industries Department.
9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year	2nd year	3rd year	4th year	5th year	Total:
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	10,350	..	..	..	..	10,350
(b) Recurring	59,394	58,416	58,488	53,400	53,400	2,83,098
Total	69,744	58,416	58,488	53,400	53,400	2,93,448

10. *To what extent is the scheme productive and/or cost recoverable.*—Not productive.
11. *Nature of material, machinery, etc., needed from—*
  - (a) *Abroad.*—
  - (b) *Locally.*—
12. *Any other remarks or information.*—The Department of Industries shall have to render assistance in the preparation of plans and estimates, training of technical staff in charge of the associations and may also have to advise in respect of the materials, machinery, equipment, etc., whether it can be obtained locally or imported or obtained from military or other sources.

## SCHEME No. 56.

1. *Department.*—Co-operative.
2. *Scheme.*—Co-operative Creameries.
3. *Brief description of scheme.*—Dairy industry is the main subsidiary industry of the agriculturist and if his income is to be increased, this industry has to be developed. The work under this scheme visualises the organisation of co-operative creameries in districts where there is an abundant quantity of surplus milk. It is proposed to organise five central creameries at five district headquarters with 5 cream separating units, in each district where milk will be collected from the neighbouring villages. The cream separated at each centre together with the other durable milk products which do not command local sale will be transported to the central creamery equipped with a laboratory where the cream will be boiled into ghee, which will be tested and tinned under AGMARK labels and despatched to big consuming centres. So also, other milk products received from constituent units will be converted into durable milk products for disposal.
4. *Areas selected for application.*—Belgaum, Satara, East and West Khandesh and Dharwar.
5. *Other Departments to be consulted.*—Department of Agriculture.
6. *Upper staff for planning and/or execution of the scheme.*—5 Graduate Assistants in the grade of Rs. 95—5—130 one for each of the central creameries.
7. *Lower staff for planning and/or execution of the scheme.*—30 Kamgars in the grade of Rs. 30—35—5/2—60—5 for 5-years and 25 for 3-years—  
5 Peons on Rs. 14 per mensem each.
8. *How staff to be obtained.*—From Military Dairy Department or by recruitment after training suitable retired soldiers will be recruited as Kamgars.
9. *Rough estimates of cost at existing rate for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) Capital (for grants to central and primary creameries for purchase of equipment) ..	Rs. 37,000		Rs. Nil.			Rs. 37,000
(b) Recurring ..	17,640	19,740	20,040	10,140	10,440	78,000
Total ..	54,640	19,740	20,040	10,140	10,440	1,15,000

(Excluding a provision of Rs. 33,000 for grant of loans at the rate of 4 per cent. interest per annum repayable in ten annual equated instalments.)

10. *To what extent is the scheme productive and/or cost recoverable.*—After three years the institutions concerned will bear the cost of the staff, but laboratories will have to be continued at Government cost.

11. *Nature of materials, machinery, etc. needed from: (a) abroad, (b) locally.*—Cream separators, fat-testing machines, churners, special boilers for conversion of cream into ghee, milk containers, etc.

12. *Any other remarks or information.*—So far as primary units are concerned, in addition to the provision of equipment, it would be necessary in the initial stages, i.e. at least for three years to provide each unit with one Kamgar. The central creamery equipped with the laboratory will have to be manned with a staff of one Graduate Assistant, one Kamgar and one peon. The pay of this staff and contingencies (the latter at the rate of Rs. 300 per annum) will be borne by Government. The following amounts will also be provided by Government:—

	Rs.
Grants to five central creameries for equipment of laboratories ..	20,000
Grants to primary creameries to meet one-third of the cost of equipment .. .. .. .. ..	17,000
Loans to primary creameries to meet two-thirds of the cost of equipment at the rate of 4 per cent. interest per annum repayable in 10 annual instalments .. .. .. .. ..	33,000

## SCHEME No. 57.

1. *Department*.—Co-operative.

2. *Scheme*.—Milk supply unions.

3. *Brief description of the scheme*.—The work under this scheme visualises organisation of milk supply unions in urban areas where there is a keen demand from consumers, with feeder societies in the surrounding rural areas and arrangements for utilising the surplus, if any, to the best advantage. It is proposed to organise this industry on a large scale to start with in Ahmedabad, for which purpose a special staff consisting of an officer in Class II with staff of three graduate assistants—one for the planning stage and two later for execution of the scheme would be required. The districts proposed to be taken up are indicated in the order of priority in column 4. Bombay and Poona are left out, as work on a large scale is proposed to be done by the Agricultural Department in Bombay, and work on similar lines may have to be undertaken in Poona.

4. *Areas selected for application*.—Ahmedabad, Belgaum, Deolali, Nasik, Hubli and Sholapur.

5. *Other Departments to be consulted*.—Department of Agriculture.

6. *Upper staff for planning and/or execution*.—One Officer in Class II service in the scale of Rs. 235—500 for Ahmedabad District with one clerk and two peons.

7. *Lower staff for planning and/or execution of scheme*.—One Graduate Assistant in the grade of Rs. 95—5—130 with a peon.

Two Graduate Assistants Rs. 95—5—130 with a peon each and 5 Managers in the grade of Rs. 75—5/2—90.

8. *How staff to be obtained*.—From Military Dairy Department or by recruitment after training.

9. *Rough estimates of cost at existing rates for each year of the first Five-Year Plan*.—

		1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	..	400	700	..	..	1,100
(b) Recurring	..	..	7,860	15,840	16,260	16,920	17,340
	Total	..	8,260	16,540	16,260	16,920	17,340
							75,320

10. *To what extent is the scheme productive and/or cost recoverable*.—Non-productive. Cost not recoverable.

11. *Nature of materials, machinery, etc., needed from*—Cold storage equipment, motor transport for distribution.

(a) *Abroad*.—

(b) *Locally*.—

12. *Any other remarks or information*.—In addition to the special staff for Ahmedabad each milk supply union to be organised at places mentioned in column 4 will have to be provided with a Manager at Government cost in the initial stages.

## SCHEME No. 58.

1. *Department*.—Forest.
2. *Scheme*.—Forest rehabilitation.
3. *Brief description of the scheme*.—Urgent provision for one extra working Plan party, making 3 full strength parties for each circle under the control of a Conservator of Forests, Working Plans Circle, Parties to enumerate and revise plans on a yield basis to compensate for excess timber taken out for war supply. Also, if present fuel shortage continues, to plan for increased fuel yields from forests not exploited or only partly so.
4. *Areas selected for application*.—All Southern Circle, Panch Mahals, West Khandesh and probably also the 3 Thana divisions.
5. *Other Departments concerned*.—Nil.
6. *Upper staff for planning and/or execution of the scheme*.—

## STAFF FOR PREPARATION OF THE WORKING PLANS.

*Gazetted staff.*

- 1 Conservator of Forests, Working Plans Circle, on the same time scale of pay as in the Indian Forest Service *plus* P.T.A. of Rs. 190 per mensem.
- 1 Divisional Forest Officer, Working Plans, Northern Circle, on Rs. 300—20—420—E.B.—30—660—E.B.—40—900 *plus* P.T.A. of Rs. 160 per mensem.
- 1 Assistant to the Divisional Forest Officer, Working Plans, Northern Circle, on Rs. 235—15—400—20—500 *plus* P.T.A. of Rs. 75 per mensem.
- 1 Assistant to the Divisional Forest Officer, Working Plans, Central Circle, on Rs. 235—15—400—20—500 *plus* P.T.A. of Rs. 75 per mensem.
- 1 Assistant to the Divisional Forest Officer, Working Plans, Sonthern Circle, on Rs. 235—15—400—20—500 *plus* P.T.A. of Rs. 75 per mensem.

The execution of the plans will be carried out by the existing territorial staff.

7. *Lower staff for planning and/or execution of the scheme*.—

*Clerical Establishement.*

- 1 Head Clerk on Rs. 95—5—125—E.B.—135—5—160.
- 1 Accountant (the old scale of pay, *viz.*, Rs. 85—5/2—100 should be allowed if Government servants entitled to the old scale of pay are appointed; otherwise the appointment should be on the revised scale of pay of Rs. 80—5/2—95).
- 1 Clerk on Rs. 60—5/2—75.
- 2 Clerks on Rs. 25—5/2—55 each.
- 1 Ranger Surveyor on Rs. 80—5—125—E.B.—} For the office of the 5—150 *plus* P.T.A. of Rs. 30.
- 1 Surveyor on Rs. 25—5/2—55 *plus* P.T.A. of Rs. 15. } Conservator of Forests, Working Plans, Circle.
- 2 Peons on Rs. 18 per mensem each.
- 3 Peons on Rs. 17 per mensem each.

1 Accountant (the old scale of pay viz.)  
Rs. 85—5/2—100 should be allowed if Government servants entitled to the old scale of pay are appointed ; otherwise the appointment should be on the revised scale of pay of Rs. 80—5/2—95.

1 Clerk on Rs. 25—5/2—55

1 Ranger Surveyor on Rs. 80—5—125—E.B.—5— For the office of  
150 plus P.T.A. of Rs. 30 per mensem. Divisional Forest

1 Surveyor on Rs. 60—5/2—75 plus P.T.A. of Officer, Working  
Rs. 15 per mensem. Plans, Northern

2 Surveyors on Rs. 25—5/2—55 plus P.T.A. of Circle.

Rs. 15 per mensem each.

1 Peon on Rs. 15 per mensem.

5 Peons on Rs. 14 per mensem each.

For the office of  
Divisional Forest  
Officer, Working  
Plans, Northern

2 Peons on Rs. 17 per mensem each

.. For Assistant to the  
Divisional Forest  
Officer, Working Plans,  
Central Circle.

2 Peons on Rs. 14 per mensem each

.. For Assistant to the  
Divisional Forest  
Officer, Working Plans,  
Southern Circle.

8. *How staff to be obtained.*—From extra appointments made for War Supply work available as soon as war supply is over or curtailed but it will be necessary to make further recruitment to fill up vacancies in Bombay Forest Service Class II caused by the retirement during the next 5 years by (a) promotion of selected Rangers and (b) by direct recruitment for training at Dehra Dun.

9. *Rough estimates of cost at existing rates for each year of the first Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
a) Capital	..	..	..	..	..	..
b) Recurring	..	..	70,000	70,000	70,000	70,000

10. *To what extent is the scheme productive and/or cost recoverable.*—The schemes will be productive in the sense that the revised plans will provide for the maximum output that is possible after ensuring that the forest estate of the Province is not only maintained but where necessary improved. The cash value of the work cannot be estimated as in some cases where war over cutting has to be adjusted a fall of revenue in the immediate future may be unavoidable.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abrad.*—Nil.

(b) *Locally.*—Nil.

## SCHEME No. 59.

1. *Department.*—Forest.
2. *Scheme.*—Communications.
3. *Brief description of the scheme.*—Provision of new and urgently required forest roads. Special repairs to existing roads to replace damage due to excessive traffic in war years.
4. *Areas selected for application.*—Mainly Southern Circle, Thana and Nasik.
5. *Other departments concerned.*—Public Works Department.
6. *Upper staff for planning and/or execution of the scheme.*—Present staff can cope with the work if the Ozar Saiwan road estimated to cost Rs. 2,59,467 and the Khardi-Pareli road estimated to cost Rs. 50,100 are taken up by the Public Works Department. Otherwise a gazetted Assistant, say on Rs. 400 per mensem, will be required by the Forest Engineer.
7. *Lower staff for planning and/or execution of the scheme.*—Present staff can cope with the work.
8. *How staff to be obtained.*—*Vide* remarks against 6 and 7 above. The gazetted Assistant if required will have to be recruited by selection of a graduate in Civil Engineering.
9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan:—*

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
						Rs.
(a) Capital ..	.. 1,00,200	1,00,200	1,00,200	1,00,200	1,00,200	5,01,000
	plus ..	62,000	62,000	62,000	62,000	3,10,000
(b) Recurring ..	..	Nil.	No maintenance charges during the first 10 years need be allowed for.			
	Total ..	1,62,200	1,02,200	1,62,200	1,62,200	8,11,000

10. *To what extent is the productive and/or cost recoverable.*—At least 15 per cent. of the outlay can be recouped every year after completion of the roads in the form of increase in the prices of coupes which do not at present command good prices owing to inaccessibility.

11. *Details of materials, machinery, etc., needed from—*

- (a) *Abroad.*—Nil.
- (b) *Locally.*—Nil.

12. *Any other remarks or information.*—The details of the scheme have not yet been approved by Government.

## SCHEME No. 60.

1. *Department.*—Forest.
2. *Scheme.*—Forest buildings, wells, etc. (About 416 buildings and 49 wells to be constructed).
3. *Brief description of the scheme.*—Provision of necessary buildings, mainly residential for forest staff and necessary amenities particularly water. The period in which these buildings will be constructed will depend on the availability of materials and the priority fixed for buildings in general but in view of the urgent need to provide necessary accommodation to the forest officers attempts will be made to complete the scheme within 10 years. The costs given below is for the first 5 years.
4. *Areas selected for application.*—All Circles.
5. *Other Departments concerned.*—Nil.
6. *Upper staff for planning and/or execution of the scheme.*—
7. *Lower staff for planning and/or execution of the scheme.*—
8. *How staff to be obtained.*—
9. *Rough estimates of cost at existing rates for each year of the first Five-Year Plan.*—

The present staff can supervise these works.

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	2,20,000	2,20,000	2,20,000	2,20,000	2,20,000 11,00,000
(b) Recurring	..	..	..	..	..	..

10. *To what extent is the scheme productive and/or cost recoverable.*—Nil. It is however essential to put forest staff on an equal footing by the provision of adequate free housing for all. An indirect return should certainly be obtained from an increased standard of health and well being among the staff.
11. *Nature of material, machinery, etc., needed from—*
  - (a) *Abroad.*—Nil.
  - (b) *Locally.*—Nil.
12. *Any other remarks or information.*—Nil.

## SCHEME No. 61.

1. *Department*.—Public Health.
2. *Scheme*.—Extension of the Malaria Organisation by the formation of two additional squads.
3. *Brief description of the scheme*.—The establishment of a permanent malaria organisation to deal with malaria in this province was sanctioned in 1942. The staff of the organisation has commenced its activities in the Kanara District of this province. Investigations have been carried out in some parts of the district and control measures have been commenced. There are other areas in the province where malaria is rampant and it is considered necessary to carry out investigations for the purpose of finding out the causes of the prevalence of malaria in those areas and taking the necessary control measures. In order to carry out these objects, Government considers it essential that the staff of the malaria organisation should be strengthened by the formation of two additional squads for a period of 3 years in the first instance.
4. *Areas selected for application*.—One or two talukas of any malarious District except the Kanara District in which the staff of the permanent organisation is carrying on its work.
5. *Other Departments concerned*.—Medical Department.
6. *Upper staff for planning and/or execution of the scheme*.—(a) No staff is required for planning.  
(b) *For execution*.—Two Medical Officers. Qualifications—M.B.B.S. degree of the Bombay University or any other qualifications specified in the first or second Schedule of the Indian Medical Council Act, 1933, and the experience in blood work in Malaria, preference being given to candidates holding D.T.M. or M.D. (in Tropical Medicine) or Sanitary Inspectors' Certificate.
7. *Lower staff for planning and/or execution of the scheme*.—(a) No staff is required for planning.  
(b) *For execution*.—Two S. M. S. Officers. Qualification—L.C.P.S. or M.B.B.S.  
*Payscale*.—Rs. 200—40/3—400 with efficiency bars at Rs. 240 and Rs. 320 (Probationers Rs. 150 per mensem for the first year, Rs. 180 for second year) plus a special pay of Rs. 30 per mensem each and compensatory allowance for loss of private practice of Rs. 50 per mensem each and with suitable travelling allowance.

*7. Lower staff for planning and/or execution of the scheme*.—(a) No staff is required for planning.  
(b) *For execution*.—Two S. M. S. Officers. Qualification—L.C.P.S. or M.B.B.S.  
*Payscale*.—Rs. 60—5—95—E.B.—5—130—E.B.—170 (Probationers Rs. 50 for 2 years) plus special pay of Rs. 20 per mensem each and compensatory allowance for loss of private practice Rs. 10 per mensem each—

	<i>Payscale.</i>
	<i>Rs.</i>
Two Laboratory Assistants .. .. ..	50—5/2—90—5—140.
Eight Insect Collectors .. .. ..	20—1—40.
Two Peons .. .. ..	14 per mensem each.
Two Sweepers .. .. ..	14 per mensem each.

## 8. How staff to be obtained.—

*Upper staff*.—By advertisement or by selection of suitable candidates from the Medical or Military Department.

*Lower staff*.—S. M. S. Officers—By advertising or by obtaining suitable candidates from the Medical or Military Department.

*Laboratory Assistants*.—By advertising or from Military Personnel, if found suitable, after training in the technique of malaria under the Malaria Organization.

*Insect Collectors*.—Suitable candidates from the Military Personnel, if available.

*Peons and sweepers*.—Locally or from the returned personnel of the Military.

## 9. Rough estimate of cost at existing rates for each year of the First Five-Year Plan—

	1st year.	2nd year.	3rd year.	4th year.*	5th year.*	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital (Non-recurrent) ..	4,000	Nil.	Nil.	Nil.	Nil.	4,000
(b) Recurring ..	40,000	41,000	42,000	43,000	44,000	2,10,000
Total ..	44,000	41,000	42,000	43,000	44,000	2,14,000

\* It is proposed to sanction the two squads for a period of 3 years in the first instance.

10. To what extent is the scheme productive and/or cost recoverable.—Malaria takes a very heavy toll of life and dissipates the vitality of the working classes. The measures though not productive in the literal sense would help to eradicate malaria in some years to come resulting ultimately in better economic life in the vast rural areas of this Province.

## 11. Nature of material, machinery, etc., needed from—

(a) *Abroad*.—Pyrethrum extract and Paris green.

(b) *Locally*.—Hand-sprayers, groundnut oil, soap, soft soap powder and malariol.

12. Any other remarks or information.—The two additional squads will be on temporary basis for a period of 3 years in the first instance. But it may be necessary to continue them for a period much longer than 3 years.

## SCHEME No. 62.

1. *Department*.—Public Health.
2. *Scheme*.—Permanent Plague Organisation.
3. *Brief description of the scheme*.—The analysis of the plague epidemic in the Province has revealed that the Plague infection in Belgaum, Dharwar, and North Kanara Districts radiates from the endemic centres of Plague in Belgaum and Dharwar Districts. In Bijapur and Sholapur Districts the infection is generally imported from the endemic centres situated in H. E. H. the Nizam's Dominions. The prevention of Plague in the Province will depend upon how the endemic centres are tackled and the infection is eradicated from them. A permanent Plague Organization specialised in anti-plague work including Cyanide fumigation which can devote seriously to the problem and deal with the endemic centres and the areas susceptible to Plague infection by devising measures according to the experience gained is absolutely necessary for the Bombay Province.
4. *Areas selected for application*.—Belgaum, Dharwar, North Kanara, Bijapur, Sholapur and Poona Districts.
5. *Other Departments concerned*.—Medical (Haffkine Institute).
6. *Upper staff for planning and/or execution of the scheme*.—(a) No staff is required for planning.  
(b) For execution of the scheme, one Assistant D. P. H., Epidemiology with a British Diploma in Public Health and with special work in Plague on a pay-scale of Rs. 400—30—700—35—1,050 with suitable permanent travelling allowance; Two Plague Officers—Qualification—M.B.B.S. and a public health qualification (B.Hy. or D.P.H.) (Bom. or Cal.) on Rs. 300—40/3—500 with suitable permanent travelling allowance.
7. *Lower staff for planning and/or execution of the scheme*.—(a) No staff is needed for planning.  
(b) For execution the staff needed is—  
Ten Epidemic Medical Officers, L.C.P.S., pay Rs. 100—5—200, special pay of Rs. 40 and compensatory allowance for loss of private practice Rs. 30 per mensem plus permanent travelling allowance of Rs. 40 per mensem.  
Eight Sanitary Inspectors (qualified) pay Rs. 60—10/2—150, permanent travelling allowance Rs. 20 per mensem.  
One Bacteriological Assistant, B.Sc. with Bacteriology, pay Rs. 130—9—310.  
Two Clerks, pay Rs. 80—5/2—95.  
Three clerks, pay Rs. 40—5/2—80.  
Four Laboratory Assistants at least Matrics, pay Rs. 50—5/2—90—5—140.  
Two Motor Drivers, pay Rs. 50—5/2—80, plus camp allowance of Rs. 10 per mensem.  
Ninety Operators, pay Rs. 30—1—45.  
Six peons, pay Rs. 20—1—30.  
Eight Laboratory Attendants, pay Rs. 20—2—40.  
Ninety coolies, pay Rs. 20—1—30.  
Two Motor cleaners, pay Rs. 20—1—30 plus camp allowance Rs. 6 per mensem.  
One watchman, pay Rs. 20—1—30.  
Three sweepers, pay Rs. 15—1—20.

## 8. How staff to be obtained—

(a) *Upper*.—(a) Assistant Director of Public Health and Plague Officers by advertisement or by obtaining suitable candidates from Military or Medical Department.

(b) *Lower*.—(b) (1) Epidemic Medical Officers by advertisement or suitable candidates from Military or Medical Department.

(2) Sanitary Inspectors by advertising or suitable candidates from returned soldiers after training them in Sanitary Inspectors' course at Bombay.

(3) Clerks, Bacteriological Assistant Laboratory Assistants—by advertising or from suitable Military personnel.

(4) Laboratory attendants, Motor drivers, operators, peons, cleaners, watchman—suitable returned soldiers, if available, otherwise by advertisement.

(5) Coolies, Sweepers—Locally, or returned soldiers, if available.

## 9. Rough estimate of cost at existing rates for each year of the First Five-Year Plan—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	..	35,000	Nil.	Nil.	Nil.
(b) Recurring	..	..	3,25,000	3,27,000	3,29,000	3,31,000
						35,000
						16,45,000
Total	..	3,60,000	3,27,000	3,29,000	3,31,000	3,33,000
		(approximately).				16,80,000

Increase in recurring cost in the second and subsequent years will be on account of increments to the staff.

10. To what extent is the scheme productive and/or cost recoverable.—The cost is not recoverable from anybody. But the scheme can be said to be productive in the sense that it is of lasting benefit to the rural population which is suffering from danger of plague at present. The eradication of Plague would be of immense benefit to the population from the Public Health and economic point of view. The loss of life due to plague and economic loss of the rural population on account of disturbed life due to plague outbreaks can be avoided.

## 11. Nature of material, machinery, etc., needed from—

(a) *Abroad*.—Nil.

(b) *Locally*.—Material, e.g., Cyanogas pumps, 2 Motor lorries, tarpaulins, barium carbonats, HCN poison treatment boxes, spades, torches, baskets, rat traps, laboratory equipment.

## 12. Any other remarks or information.—Nil.

## SCHEME No. 63.

1. *Department*.—Public Health.

2. *Scheme—District Health Organisation*: Per district. Establishment of— in the Province of Bombay.

3. *Brief description of the scheme*.—There are at present three District Health Officers working in the Districts of Bijapur, Sholapur and Surat. Government has appointed during the current year one more District Health Officer and his staff for Ahmedabad District. The proposal to extend the District Health Officers' Scheme to the bordering districts of East Khandesh and West Khandesh, Nasik and Ahmednagar and also to take up the District Health Officers and the epidemic staff under them maintained by the District Local Boards of Satara and Dharwar are separately under the consideration of Government. The question of introducing the same in the remaining districts is also equally important. In order that each district should have a standing nucleus staff to deal with epidemic diseases and to attend to rural health problems, Government considers that the remaining Districts viz. Belgaum, Kanara, Poona and Bombay Suburban, Kolaba, Ratnagiri, Broach, Panch Mahals and Kaira, should be taken up for the introduction of the District Health Organisation Scheme.

4. *Areas selected for application*.—The Districts of Belgaum, Kanara, Poona, Thana and Bombay Suburban, Kolaba, Ratnagiri, Broach, Panch Mahals and Kaira.

5. *Other Departments concerned*.—Local Self-Government and Revenue Departments.

6. *Upper staff for planning and/or execution of the scheme*.—No staff is required for planning. Nine District Health Officers are required for the execution of the scheme (as Bombay Suburban District consists of only one Taluka, it is included in Thana District). Qualification—Medical qualification registrable by the Bombay Medical Council *plus* British Diploma in Public Health or B.Hy. (Bom). or D.P.H. (Bom. or D.P.H. (Caleutta). Scale of pay—Rs. 350—40/3—590—30—710.

7. *Lower staff for planning and/or execution of the scheme*.—No staff is required for planning. The following staff is required for the execution of the scheme :—

13 Epidemic Medical Officers,  
 27 Sanitary Inspectors,  
 28 Sub-Inspectors,  
 122 peons, and  
 624 sweepers and coolies of whom 156 will be mukadams.

8. *How staff to be obtained*—

*Upper staff* to be obtained either by releasing required qualified personnel from the Defence Forces or from the Government of India. Failing them by local recruitment.

*Lower staff* to be recruited locally.

9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan.—*

	1st year. Rs.	2nd year. Rs.	3rd year. Rs.	4th year. Rs.	5th year. Rs.	Total. Rs.
(a) Capital (Non-recurrent) ..	1,18,450					1,18,450
(b) Recurring ..	5,62,110	5,62,110	5,62,110	5,62,110	5,62,110	28,10,550
Total ..	6,80,560	5,62,110	5,62,110	5,62,110	5,62,110	29,29,000

10. *To what extent is the scheme productive and/or cost recoverable.*—The scheme is of lasting benefit to the rural population including men of the Defence Forces on their return home after demobilisation. It is indirectly productive in the sense that it conduces to healthy life, increasing output of labour, thus raising the standard of living of villages in rural areas. It involves sanitation of villages, prevention of epidemics by means of permanent and emergent measures and improving the general health of the rural population by means of actual demonstrations and education propaganda.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—Motor lorries and Pyrethrum.

(b) *Locally.*—Augers for boring holes for village latrines, disinfectants like phenyle, lysotol white, bleaching powder, potassium permanganate, barium carbonate, mosquito nets, phowras, ghamelas, pick-axes, etc.

12. *Any other remarks or information.*—The scheme is complete in itself and can be introduced as soon as the necessary staff is available.

## SCHEME No. 64.

1. *Department.*—Educational Department (Industries).
2. *Scheme.*—Industrial School, Satara.
3. *Brief description of the scheme.*—It is proposed to start an industrial school at Satara, as a modern high grade institution. The following subjects will be taught in the school—
  - (i) Mechanical Apprentice.
  - (ii) Carpentry.
  - (iii) Agricultural Carpentry and Smithy.
  - (iv) Handloom Weaving.
4. *Areas selected for application.*—Satara.
5. *Other Departments concerned.*—The Public Works Department in respect of the preparation of the plans and estimates for the school buildings.
6. *Upper staff for planning and/or execution of the scheme.*—The Deputy Director of Industries for planning and execution of this scheme along with the other industrial schemes.
7. *Lower staff for planning and/or execution of the scheme.*—

Staff.	Scale of pay.
--------	---------------

	Rs.
--	-----

(i) One fitter .. .. ..	.. 60—3—75.
(ii) One Turner and Machinist .. .. ..	.. 60—3—75.
(iii) One Agricultural smith and Carpenter .. .. ..	.. 60—3—75.
(iv) One Moulder .. .. ..	.. 35—2—45.
(v) One Assistant Handloom Instructor .. .. ..	.. 35—2—45.
(vi) One Hamal .. .. ..	.. 14 per mensem.

8. *How staff to be obtained.*—By public advertisement.

9. *Rough estimate of cost of existing rates for each year of the First Five-Year Plan*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital—						
Cost of Buildings ..	.. 75,000					
Cost of equipment ..	.. 39,000 }	..	..	..	..	1,14,000
(b) Recurring—						
Average cost per annum—						
Staff ..	.. 3,792 }	7,792	7,792	7,792	7,792	38,900
Contingencies ..	.. 4,000 }					
Total ..	1,21,702	7,792	7,792	7,792	7,792	1,52,900

10. *To what extent is the scheme productive and/or cost recoverable.*—The institution will be training boys in all stages including the children of Returned soldiers.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—Lathes, planning machine, taping machine, weaving machine, drilling machine, tool grinder, twestel grinder, stolling machine, scraping machine, dyes, vices etc., and machine tools.

(b) *Locally.*—Working benches and other small equipment.

12. *Any other remarks or information.*—The scheme has been administratively approved as a post-war reconstruction measure. The details of the scheme are tentative and the Director of Industries has been asked to work out the scheme in greater detail before the scheme is finally put into execution. The Returned soldiers can take advantage of the school.

## SCHEME No. 65.

1. *Department*.—Educational Department (Industries).
2. *Scheme*.—Industrial School, Hubli.
3. *Brief description of the scheme*.—It is proposed to start an industrial school at Hubli to impart education on a higher standard. The following subjects will be taught in the school :—
  - (a) Mechanical Apprentice.
  - (b) Carpentry.
  - (c) Agricultural Carpentry and Smithy.
4. *Areas selected for application*.—Hubli.
5. *Other Departments concerned*.—Nil.
6. *Upper staff for planning and/or execution of the scheme*.—The Deputy Director of Industries for planning and execution of this scheme along with the other industrial schemes.
7. *Lower staff for planning and/or execution of the scheme*—

Staff.	Scale of pay.
	Rs.
(a) One Superintendent .. .. ..	130—10—200
(b) One Technical Draughtsman .. .. ..	70—3—130
(c) One Fitter .. .. ..	60—3—75
(d) One Turner and Mechanist .. .. ..	60—3—75
(e) One Smith .. .. ..	35—2—45
(f) One Moulder .. .. ..	35—2—45
(g) One Carpenter Instructor .. .. ..	60—3—75
(h) One Assistant Carpenter Instructor .. .. ..	35—2—45
(i) One Agricultural Smith and Carpenter .. .. ..	60—3—75
(j) One Clerk .. .. ..	25—5/2—55
(k) Two Hamals at Rs. 14 per mensem.	
(l) One peon at Rs. 15 per mensem.	

8. *How staff to be obtained*.—By public advertisement.

9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital—						
Cost of Building ..	..	65,000				
Cost of equipment ..	..	39,000	}	..	..	1,04,000
(b) Recurring—						
Average cost per annum—						
Staff .. ..	..	9,468				
Contingencies .. ..	..	7,000	}	18,268	18,268	18,268
Scholarships .. ..	..	1,800			18,268	91,340
 Total ..	1,22,268	18,268	18,268	18,268	18,268	1,95,340

10. *To what extent is the scheme productive and/or cost recoverable.*—The institution will be training boys in all stages including children of Returned soldiers.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—Electrically driven machines, fitters' vices, hearths, machines tools, micrometer, surface plates, etc.

(b) *Locally.*—Working benches and other small equipment.

12. *Any other remarks or information.*—The scheme has been administratively approved as a post-war reconstruction measure. The school when opened will be housed in the buildings proposed to be constructed by the Government of India for the Technical Training Centre at Hubli on the plot of land (survey No. 67) reserved for the Industrial school at Hubli, which will be taken over by the Government of Bombay after the war on payment of a portion of the cost to be decided in consultation with the Government of India. The Returned soldiers can take advantage of the school.

## SCHEME No. 66.

1. *Department.*—Educational Department (Industries).
2. *Scheme.*—Technical (Industrial) School, Bijapur.
3. *Brief description of the scheme.*—It is proposed to start a Technical school in Bijapur. The following subjects will be taught in the school:—
  - (a) Mechanical Apprentice Course.
  - (b) Carpentry.
  - (c) Agricultural Carpentry and Smithy.
4. *Areas selected for application.*—Bijapur.
5. *Other Department concerned.*—The Public Works Department in respect of the preparation of plans and estimates and the Revenue Department for making available Government land for the construction of the building for the proposed school.
6. *Upper staff for planning and/or execution of the scheme*—
  - (a) *For planning.*—Nil.
  - (b) *For execution.*—The Deputy Director for the execution of this scheme along with other industrial schemes. One Superintendent in the scale of Rs. 130—10—200.
7. *Lower staff for planning and/or execution of the scheme*—
  - (a) *For planning*—Nil.
  - (b) *Staff*—

Scale of pay.

Rs.

(1) One Technical Draughtsman .. ..	..	70—3—130.
(2) One Fitter .. ..	..	50—3—75.
(3) One Turner and Machinist .. ..	..	60—3—75.
(4) One Smith .. ..	..	35—2—45.
(5) One Moulder .. ..	..	35—2—45.
(6) One Carpenter Instructor .. ..	..	60—3—75.
(7) One Assistant Carpenter Instructor .. ..	..	35—2—45.
(8) One Agricultural Smith and Carpenter .. ..	..	60—3—75.
(9) One Clerk .. ..	..	25—5/2—55.
(10) Two Hamals .. ..	..	@ Rs. 14 p. m. each.
(11) One peon .. ..	..	@ Rs. 15 p. m.

8. *How staff to be obtained.*—By public advertisement.

9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) Capital—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Building ..	65,000					
Equipment and installation ..	30,000					1,01,000
(b) Recurring—						
Establishment .. ..	9,468	9,468	9,468	9,468	9,468	
Contingencies .. ..	7,000	7,000	7,000	7,000	7,000	35,000
Establishments .. ..	1,800	1,800	1,800	1,800	1,800	9,000
Total ..	1,22,268	18,268	18,268	18,268	18,268	1,05,340

10. *To what extent is the scheme productive and/or cost recoverable.*—The school will be training a number of boys every year in all stages.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—Oil engine, pump, cutting tradle machine, anvils, etc.

(b) *Locally.*—Working benches and other small equipment.

12. *Any other remarks or information.*—It is decided to treat this scheme as a new item of expenditure for the budget for the year 1945-46. It is however retained in the Post-War Reconstruction Programme with a view that if it is not approved at the time of settling the budget for the year 1945-46, it will be treated as a post-war reconstruction measure and will be dealt with accordingly. The proposed school will be useful to returned soldiers.

## SCHEME No. 67.

1. *Department*.—General Department (Industries).

2. *Scheme*.—Fisheries (Study of Marine Biology and the establishment of an aquarium).

3. *Brief description of the scheme*.—It is proposed to develop marine fisheries of the Province on modern lines by power fishing with improved types of net such as Danish Seine, Purse Seine, Draft net, longlines, etc. The scheme is divided into 3 parts, viz.—

(1) Improvement of fishing methods.

(2) Development of Inland Fisheries at Khopoli and Poona.

(3) Study of Marine Biology and the establishment of an aquarium.

4. *Areas selected for application*.—Bombay.

5. *Other Departments concerned*.—The Public Works Department.

6. *Upper staff for planning and/or execution of the scheme*—

(a) *For planning*.—Nil.

(b) *For execution*.—One Deputy Director of Industries for the execution of this scheme along with other industrial schemes.

7. *Lower staff for planning and/or execution of the scheme*.—

(a) *For planning*.—Nil.

(b) *For execution*—

Staff.	Scale of pay.
	Rs.
(1) One Curator .. ..	130—5/2—170.
(2) Two Clerks in the Fisheries section ..	50—5/2—90—E.B.—5—140.
(3) One Aquarium Clerk ..	50—5/2—90.
(4) One Mechanic ..	50—5/2—90.
(5) Two field collectors ..	40—2—60.
(6) Three aquarium keepers ..	20—1—30.
(7) One gardener ..	@Rs. 20 p. m.
(8) One sweeper ..	@Rs. 12 p. m.

*Research Section.*

(1) One Research Assistant ..	130—10—170.
(2) One Assistant Biologist ..	100—5—150.
(3) One Mechanic Driver (for the launch) ..	60—5/2—90.
(4) One Tindal (for the launch) ..	50—2—60.
(5) One Boatman (for the launch) ..	30.

8. *How staff to be obtained*.—By public advertisement.

9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan—*

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	1,93,000	..	..	..	1,93,000
(b) Recurring	..	*25,117	25,117	25,117	25,117	1,25,585
 Total	..	2,18,117	25,117	25,117	25,117	3,18,585
						Rs.
*Pay and allowances to the staff	..	..	..	..	..	10,800
Pay and allowances to the staff of Research Section	..	..	..	..	..	6,442
Non-contract contingencies	..	..	..	..	..	5,000
Contract contingencies	..	..	..	..	..	2,875
						25,117

10. *To what extent is the scheme productive and/or cost recoverable.*—The proposed aquarium would serve as an experimental station and is mainly to be established for the provision of research facilities on fishery problems. It will therefore be primarily a scientific institution and as such cannot be expected to be productive.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—Nil.

(b) *Locally.*—One launch, Laby. apparatus furniture, reference literature, glassware, chemicals, etc.

12. *Any other remarks or information.*—Orders according administrative approval to the scheme for the establishment of a Marine aquarium in Bombay as a post-war reconstruction measure are being issued. Government has accepted in this connection a donation of Rs. 2 lakhs from Mr. Vicaji D. B. Taraporewala of Bombay.

## SCHEME No. 68.

1. *Department*.—General Department (Industries).
2. *Scheme*.—Fisheries (Development of Inland Fisheries at Khopoli and Poona).
3. *Brief description of the scheme*.—It is proposed to develop marine fisheries of the Province on modern lines by power fishing with improved types of net such as Danish Seine, Purse Seine, Draft net long lines, etc. The scheme is divided into 3 parts, viz. :—
  - (1) Improvement of fishing methods.
  - (2) Development of Inland Fisheries at Khopoli and Poona.
  - (3) Study of Marine Biology and the establishment of an aquarium.
4. *Areas selected for application*.—Khopoli and Poona.
5. *Other Department concerned*.—The Revenue and Public Works Departments.
6. *Upper staff for planning and/or execution of the scheme*.—(a) For planning—Nil.  
(b) For execution—One Deputy Director of Industries for the execution of this scheme along with other industrial schemes.
7. *Lower staff for planning and/or execution of the scheme*.—(a) For planning—Nil.  
(b) For execution :—

	Staff.	Scale of pay.
		Rs.
(1) Two Assistants each in charge of the fish-farm at Khopoli and Poona .. .. .. ..		75—5—90
(2) Four Fishermen at Rs. 17 per mensem.		
(3) Two Watchmen at Rs. 17 per mensem.		

8. *How staff to be obtained*.—By advertisement or from disbanded staff from offices established for “war”.

9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan*.—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital .. .. .. ..	*1,00,000					1,00,000
(b) Recurring .. .. .. ..	†5,112	5,112	5,112	5,112	5,112	25,560
 Total .. .. .. ..	1,05,112	5,112	5,112	5,112	5,112	1,25,560

\* Cost of two fish farms at Khopoli and Poona.

† Pay and allowances to the staff at two—

Farms	..	..	..	Rs.
Contingencies .. .. ..				3,712
				1,400
				5,112

10. *To what extent is the scheme productive and/or cost recoverable*—The scheme will afford suitable jobs and opportunities of taking up profession connected with fishing industry to hereditary fishermen and other enterprising youths now in the navy and land forces. The scheme will be more than self-supporting.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad*.—Nil.

(b) *Locally*.—Fishing nets, apparatus and equipment.

12. *Any other remarks or information*.—Orders according administrative approval to the scheme as a post-war reconstruction measure are being issued. The scheme for establishing a fish farm at Khopoli was approved by Government in 1941 but in view of the high cost of building materials and other essential equipments the scheme was postponed for the duration of the war and is now included in the post-war reconstruction programme.

## SCHEME No. 69.

1. *Department*.—General Department (Industries).
2. *Scheme*.—Fisheries (Improvement of fishing methods).
3. *Brief description of the scheme*.—It is proposed to develop marine fisheries of the Province on modern lines by power fishing with improved types of net such as Danish Scine, Purse Scine, Draft net, long lines etc. The scheme is divided into 3 parts viz.,
  - (1) Improvement of fishing methods.
  - (2) Development of Inland Fisheries at Khopoli and Poona.
  - (3) Study of Marine Biology and the establishment of an aquarium.
4. *Areas selected for application*.—Arabian Sea.
5. *Other Departments concerned*.—Nil.
6. *Upper staff for planning and/or execution of the scheme*.—
  - (a) *For Planning*.—Nil.
  - (b) *For execution*.—(1) Master Fisherman on pay including overseas pay at Rs. 500 per mensem subject to consideration when the appointment is actually made.
  - (2) One Deputy Director of Industries for the execution of this scheme along with other industrial schemes.
7. *Lower staff for planning and/or execution of the scheme*.—
  - (a) *For planning*.—Nil.
  - (b) *For execution*.—

Staff.	Scale of pay.
	Rs.
(1) One Assistant Biologist .. ..	130—10—170.
(2) One Mechanical Driver .. ..	60—5/2—90.
(3) One Clerk .. ..	50—5/2—90.
(4) One Tindal .. ..	50—2—60.
(5) One Oilman .. ..	25 per mensem.
(6) One Boatman .. ..	30 per mensem.
(7) Two fishermen deckhands .. ..	20 per mensem.
(8) One peon .. ..	19 per mensem.

8. *How staff to be obtained*.—By advertisement or from disbanded staff from offices established for "War".

9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan:—*

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	*52,680	..	..	..	52,680
(b) Recurring	..	†22,056	22,056	22,056	22,056	1,10,280
 Total ..	74,736	22,056	22,056	22,056	22,056	1,62,960

	Rs.
*Cost of a vessel with Diesel engine .. .. .. ..	40,000
Cost of nets .. .. .. ..	5,000
Cost of biological apparatus .. .. .. ..	1,500
Cost of return passage of the Master Fisherman and for his Journey from his place of residence to the port .. .. .. ..	780
Advertisement and interview charges for selection of the Master Fisherman .. .. .. ..	400
Deputation of the Fisheries Officer to a foreign country .. .. .. ..	5,000
 52,680	
†Pay of establishment .. .. .. ..	11,796
Allowances and honoraria .. .. .. ..	400
Contingencies .. .. .. ..	9,860
 22,056	

10. *To what extent is the scheme productive and/or cost recoverable.*—The scheme will afford suitable jobs and opportunities of taking up profession connected with fishing industry to hereditary fishermen and other enterprising youths now in the navy and land forces.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—Marine diesel engines and spare parts, of the same are not available with local agents of foreign firms or with the Royal Indian Navy.

(b) *Locally.*—

12. *Any other remarks or information.*—Orders according administrative approval to this scheme as a post-war reconstruction measure are being issued.

## SCHEME No. 70.

1. *Department.*—Educational Department (Industries).
2. *Scheme.*—Re-organisation of the R. C Technical Institute, Ahmedabad.
3. *Brief description of the scheme.*—Ahmedabad being a big Textile centre it is proposed to re-organise the R. C. Technical Institute and the following courses will be taught in it :—

(a) Mechanical and Electrical Engineering.

(b) Cotton, Spinning and Weaving, Bleaching, Dyeing, Finishing and Printing of Textiles.

The duration of the above courses would be 4 years in each case. During the fourth year the candidates before taking the final examination will be required to undergo six months' practical work in Industry. The scheme is to be carried-out in three stages.

4. *Areas selected for application.*—Ahmedabad.

5. *Other Departments concerned.*—Public Works Department in respect of the preparation of plans and estimates for the buildings in connection with the scheme.

6. *Upper staff for planning and/or execution of the scheme.*—(a) The Deputy Director of Industries for planning and execution of this scheme along with the other industrial schemes.

(b) For execution of scheme.

One Principal at Rs. 600 in the scale of Rs. 300—900 (The Principal will be the head of all the Department, i.e., Engineering, Textile, Dyeing, Bleaching and Finishing Departments).

7. *Lower staff for planning and/or execution of the scheme.*—

(a) *For planning.*—Nil.

(b) *For execution.*—

Designation. (1)	Number of appointment. (2)	Scale of pay. (3)
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Rs.

*First Stage Engineering Department.*

(a) *Mechanical Section*—

Mechanical Superintendent ..	..	1	170—500
Assistant (Mechanics and Technology) ..	..	1	130—200
Foreman Instructor ..	..	1	70—3—130 (99)
Mechanics ..	..	4	60—3—75 (72)
Hamals ..	..	2	20

(b) *Electrical Section*—

Electrical Superintendent ..	..	1	170—500
Assistant (Electrical Engineer) ..	..	1	130—10—200
Foreman Instructor ..	..	1	70—3—130
Electrical Laboratory Assistants ..	..	2	60—3—75
Hamals ..	..	2	20

Designation. (1)	Number of appointment. (2)	Scale of pay. (3)
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Rs.

*Textile Department.*

Superintendent ..	..	1	170—500
Assistant (Weaving) ..	..	1	130—10—200
Assistant (Spinning) ..	..	1	130—10—200
Foreman Weaving Instructor ..	..	1	70—3—130
Foreman Spinning Instructor ..	..	1	70—3—130
Section Operatives and Fitters ..	..	6	60—3—75
Hamals ..	..	2	20

*Dyeing, Bleaching and Fishing Department.*

Superintendent ..	..	1	170—500
Assistant (Chemistry and Dyeing) ..	..	1	130—10—200(184)
Foreman Instructor ..	..	1	70—3—130(99)
Laboratory Assistant ..	..	1	60—3—75 (72)
Laboratory Hamals ..	..	2	20
Part-time Teacher in English ..	..	1	40—2—50

*Non-Technical Staff.*

Head Clerk ..	..	1	95—5—125(122)
Senior Clerk ..	..	1	60—5/2—75(68)
Junior Clerk ..	..	1	25—5/2—55(46)
Peons ..	..	2	19 and 18
Watchman ..	..	1	17
Waterman ..	..	1	15
Gardner ..	..	1	20
Hamal for Hostel ..	..	1	16
Swcepers ..	..	2	16 and 15

*Additional staff for the Second Stage.**Mechanical Section—*

Assistant (Mechanical Drawing) ..	..	1	130—200
Mechanics ..	..	2	60—3—75

*Electrical Section—*

Assistant (Physics and Mathematics) ..	..	1	130—200
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*Textile Department—*

Section Operatives and Fitters ..	..	2	60—3—75
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*Dyeing, Bleaching and Finishing—*

Assistant (Printing) ..	..	1	130—200
Laboratory Assistant ..	..	1	60—3—75

*Non-Technical Staff—*

Store-Keeper ..	..	1	30—5/2—80
Librarian ..	..	1	30—5/2—75

8. *How staff to be obtained.*—By public advertisement.

9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan—*

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) <i>Capital</i> —						
(1) Buildings ..	59,400	82,600	1,10,400			
(2) Furniture and Fitment ..	2,500	2,500	1,500	..	..	5,81,400
(3) Equipment ..	98,400	76,500	1,47,000			
	1,60,300	1,61,600	2,50,500			
(b) <i>Recurring</i> —						
Average cost of staff per annum	58,380	58,380	70,692	70,692	70,692	3,41,148
Additional average cost for additional staff for the second stage .. .. ..	..	..	12,312			
			70,692			
Total ..	2,18,680	2,32,292	3,30,192	70,692	70,692	9,22,548

10. *To what extent is the scheme productive and/or cost recoverable.*—About Rs. 7,000 in the first year of the re-organisation of the Institute are expected in the shape of fees and the realisation in the fourth year will be approximately Rs. 16,800 per annum.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad*.—Lathes, looms, dyeing and bleaching plants, electrical equipment, engines, generators, etc., and machine tools.

(b) *Locally*.—Working benches, small tools and other fitments.

12. *Any other remarks or information.*—The scheme has been administratively approved as a post-war reconstruction measure. The Returned soldiers can take full advantage of the Institution.

## SCHEME No. 71.

1. *Department.*—Educational Department (Industries).
2. *Scheme.*—Extension of Apprentice Scheme.
3. *Brief description of the scheme.*—It is proposed to extend the existing apprentice scheme in places where facilities are available. The apprentice scheme comprises the acceptance by a number of industrial establishments of boys, whose education has progressed up to about the 7th English standard, for training for a period of about 5 years. The scheme is that these boys will be bound by the terms of an agreement to attend technical classes in the evening during the whole period of their training. Under this arrangement their practical and theoretical training will be carried on simultaneously. The number of boys to be taken up will be approximately that which can be absorbed in the industries concerned after the period of their training is over.
4. *Areas selected for application.*—(1) Sholapur, (2) Poona, (3) Hubli, (4) Satara, (5) Dhulia, (6) Jalgaor, (7) Surat, (8) Bijapur.
5. *Other Departments concerned.*—The Public Works Department in respect of the preparation of the plans and estimates for the buildings (sheds) required to be constructed for the evening technical classes to be held at the centres in question.
6. *Upper staff for planning and/or execution of the scheme.*—The Deputy Director of Industries for planning and execution of this scheme along with the other industrial schemes.
7. *Lower staff for planning and/or execution of the scheme.*—Technical and clerical staff at each centre—
  - (i) 14 Part-time teachers at a flat rate of Rs. 3 per hour.
  - (ii) 6 Part-time Hamals (Part-time laboratory assistants and halmals to be paid at the rate varying from annas 4 to Rs. 1-4-0 per hour according to the nature of work. The actual rate to be determined by the Director of Industries)
  - (iii) One Clerk at Rs. 25-5/2-55.
  - (iv) One peon at Rs. 15.
8. *How staff to be obtained.*—By public advertisement.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	4,86,690	..	..	..	4,86,690
(b) Recurring	..	32,208	51,648	69,616	95,712	2,49,184
Total	..	5,18,898	51,648	69,616	95,712	7,35,874

10. *To what extent is the scheme productive and/or cost recoverable.*—10 per cent. of the cost will be recoverable in the shape of fees. A large number of skilled workmen and technicians will be available for various industries of the Province.

11. *Nature of material machinery, etc., needed from—*

(a) *Abroad*.—Machinery required for Engineering Workshop, Electrical Workshop and Textile machinery.

(b) *Locally*.—Working benches and other small equipment.

12. *Any other remarks or information*.—The industrial establishments in the particular centre will have to agree to co-operate in the scheme and between them they will have to agree to admit 50 boys per year each centre. The approximate number of boys proposed to be put under training during the five years is as follows :—

	1st year.	2nd year.	3rd year.	4th year.	5th year.
Centre ..	50	50 New. 40 From previous year.	50 New. 76 From pre- vious year.	50 New. 115 From pre- vious year.	..
Total ..	50	90	126	165	

The courses of training at present proposed are—

- (1) Mechanical and Related Trades.
- (2) Electrical and Related Trades.
- (3) Weaving, Spinning and Dyeing Departments in Textile Mills. The scheme has been administratively approved as a post-war reconstruction measure. The scheme is suitable for soldiers.

## SCHEME No. 72.

1. *Department.*—Labour Office and Factory Department.
2. *Scheme.*—Extension of Payment of Wages Act and enforcement of Trade Board Minimum Wages and of compulsory standing orders in factories in the Province.
3. *Brief description of scheme.*—The Payment of Wages Act provides for its extension to industrial establishments but hitherto it has not been possible to do so because of the lack of adequate machinery for its enforcement. The question of setting up trade boards in industries to regulate minimum wages and of compelling factories to frame standing orders has been discussed at the Standing Labour Committee meeting and it is possible that effect may be given to the proposals. It would be necessary, therefore, to set up machinery for this purpose.
4. *Areas selected for application.*—It may be possible to select particular industrial areas like Bombay, Ahmedabad, Sholapur and the Khandesh centres; but in some cases it may be found necessary to cover the whole Province.
5. *Other departments concerned.*—Nil.
6. *Upper staff for planning and/or execution of scheme.*—One Senior Inspector of Factories and three Junior Inspectors.
7. *Lower staff for planning and/or execution of scheme.*—Additional clerical staff and peons would be required both for (a) and (b) but it would be difficult to state the number at this stage.
8. *How staff to be obtained.*—Army, if possible, or by recruitment locally.
9. *Rough estimate of cost for 5 years.*—Rs. 2,25,000.
10. *To what extent is the scheme productive and/or cost recoverable.*—Nil.
11. *Nature of materials, machinery, etc., needed from—*
  - (a) *Abroad.*
  - (b) *Locally.*
12. *Any other remarks or information.*—The scheme has not yet been finally approved by Government.

## SCHEME No. 73.

1. *Department.*—Labour Office.
2. *Scheme.*—Extension of the Bombay Industrial Disputes Act and Recognition of Trade Unions.
3. *Brief description of scheme.*—Hitherto the Bombay Industrial Disputes Act for settlements of trade disputes has been extended only to certain industries and it is proposed that it should be extended to cover other industries. The Government of India have also introduced a Bill to amend the Trade Unions Act to provide for compulsory recognition of trade unions and machinery will have to be set up to deal with the recognition of trade unions when the Bill is enacted into Law.
4. *Areas selected for application.*—The whole Province will have to be covered but in practice only certain industrially important areas like Bombay, Ahmedabad and Sholapur may be particularly affected.
5. *Other departments concerned.*—
6. *Upper staff for planning and/or execution of scheme.*—1 Assistant Commissioner of Labour and 2 Assistant Government Labour Officers.
7. *Lower staff for planning and for execution of scheme.*—Additional clerical staff and peons would be required both for (a) and (b) but it would be difficult to state the number at this stage.
8. *How staff to be obtained.*—Army, if possible, or by recruitment locally.
9. *Rough estimate of cost for five years.*—About Rs. 1,50,000.
10. *To what extent is the scheme productive and/or cost recoverable.*—Nil.
11. *Nature of materials, machinery, etc., needed from—*
  - (a) *Abroad.*—Nil.
  - (b) *Locally.*—Nil.
12. *Any other remarks or information.*—The scheme has not yet been finally approved by Government.

## SCHEME No. 74 (I).

*Completion of the "A" type Labour Welfare Centre at Sholapur.*

1. *Brief description.*—This scheme is aimed at bringing the new "A" type centre at Sholapur into line with the existing "A" type centre in Bombay. The improvements include a gymnasium building with a wrestling pit and a block of shower baths and a properly equipped children's playground. The servants' quarters will also be provided at the centre.
2. *Areas selected for application.*—Sholapur.
3. *Other Departments concerned.*—Public Works Department.
4. *Upper Staff for planning and/or execution of the Scheme.*—Nil.
5. *Lower Staff for planning and/or execution of the Scheme.*—Nil.
6. *How staff to be obtained.*—
7. *Rough estimate of cost at the existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
Capital Recurring	..	..	49,000	1,000	1,000	1,000

8. *To what extent the scheme is productive and/or cost recoverable.*—Not productive.
9. *Nature of machinery etc. needed from—*
  - (a) *Abroad.*—
  - (b) *Locally.*—Centre to be completed with materials obtained locally.

## SCHEME No. 74 (II).

*Additions and Alterations to the Recreation Centre at Ahmedabad.*

1. *Brief description.*—This scheme concerns the removal of the structural defects of the present "A" Type Labour Welfare Centre at Raipur in Ahmedabad mainly with regard to the levelling of the present slanting floor of the auditorium and the gallery. It is proposed to have an additional storey over the gymnasium building, the erection of a properly equipped children's playground and the building of a line of servants' quarters.

2. *Areas selected for application.*—Ahmedabad
3. *Other Departments concerned.*—Public Works Department.
4. *Upper Staff for planning and/or execution of the scheme.*—Nil.
5. *Lower Staff for planning and/or execution of the scheme.*—Nil.
6. *How staff to be obtained.*—....
7. *Rough estimate of cost at the existing rates for each year after the first Five-Year Plan :—*

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Capital						
Non recurring	..	..	..	..	..	36,000
Recurring	..	..	..	..	..	..

8. *To what extent the scheme is productive and/or cost recoverable.*—Not productive

9. *Nature of machinery, etc., needed from—*

(a) *abroad.*—

(b) *locally.*—Centre to be completed with materials obtained locally.

## SCHEME No. 74 (III).

SCHEME : Establishment of one "B" type Centre each at Broach, Barsi, Amalner, Viramgaum, Surat, Jalgaon, Dhulia, Nadiad and Hubli and three such Centres in Bombay.

1. *Brief description.*—This scheme covers the erection of three "B" type centres in Bombay and a similar centre each at Broach, Surat, Amalner, Hubli, Viramgaum, Nadiad, Jalgaon, Dhulia, Barsi and Amalner. A "B" type welfare Centre is a replica of an "A" type centre on a smaller scale. All the outdoor and indoor activities are the same in case of both the types. A "B" type centre lacks a large auditorium but has a large main hall with a wooden platform, a single storeyed gymnasium with a wrestling pit, shower bath, children's playground and servants' quarters.
2. *Areas selected for application.*—Broach, Sholapur, East Khandesh and West Khandesh; Ahmedabad, Surat, Kaira and Dharwar districts and Bombay City.
3. *Other Departments concerned.*—Public Works Department.
4. *Upper staff for planning and execution of the scheme.*—As shown in the statement\* below.
5. *Lower staff.*—As shown in the statement\* below.
6. *How staff should be obtained.*—Locally.
7. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Capital	1,89,000	1,89,000	42,000	42,000	42,000	5,04,000
Non-recurrent	..	26,150	56,670	64,300	71,930	2,19,050
Recurrent	..	..	30,538	41,144	51,700	61,716
						1,85,148

8. *To what extent the scheme is productive and/or cost recoverable.*—Not productive.
9. *Nature of machinery, etc., needed from—*
  - (1) *Abroad.*—
  - (2) *Locally.*—Material available locally.
10. *Remarks for information.*—

## \*STATEMENT OF STAFF FOR A "B" TYPE CENTRE.

## Superior Staff.

	Bombay scale.	Mofussil scale.
	Rs.	Rs.
1 Welfare Superintendent	.. 75—3—115	50—3—74
1 Woman Welfare worker	.. 50—3—74	50—3—74

## Part-time.

1 Outdoor games teacher	..	15	15
1 Indoor games teacher	..	15	15
1 Librarian	..	15	15
1 Children's playground overseer	..	15	15

## Inferior Staff.

1 Ayah	..	25	17
1 Cleaner	..	23	17
1 Sweener	..	21	15

## SCHEME No. 74 (IV).

**SCHEME : Opening of two additional "A" type centres, one at Ahmedabad and the other at Sholapur.**

1. *Brief description.*—The scheme concerns the erection of one additional "A" type centre at Ahmedabad and one additional centre at Sholapur. The present "A" type centre at Ahmedabad leased by the Ahmedabad Municipality to Government is situated at a place which is out of the way for the majority of the workers living in Ahmedabad. It is desirable to erect one additional centre in some locality where it will be widely used by the cotton mill workers. The present "A" type centre at Sholapur is situated in a predominantly handloom weavers locality. It is accordingly proposed to have an additional "A" type centre at Sholapur in a place near the heart of the town and accessible to a majority of Industrial workers.

2. *Areas selected for application.*—Ahmedabad and Sholapur.
3. *Other Departments concerned.*—Public Works Department.
4. *Upper Staff for planning and/or execution of the scheme.*—Statement attached.
5. *Lower Staff for planning and/or execution of the scheme.*—Statement attached.
6. *How staff to be obtained.*—To be recruited locally.
7. *Rough estimate of cost at the existing rates for each year after the First Five-year plan:*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	
Capital	..	..	49,000	49,000	51,000	51,000 .. 2,00,000
Non-recurrent	..	..	..	6,780	..	11,780 .. 18,560
Recurrent	..	..	..	..	11,972	11,972 29,344 53,288

8. *To what extent is the scheme productive and/or cost recoverable.*—Nil.
9. *Nature of material, machinery, etc., needed from—*
  1. *Abroad.*
  2. *Locally.*—Available locally.
10. *Any other remarks for information.*—

*Superior Staff (Full-Time).*

"A" type centre at Ahmedabad.

	Rs.
1 Welfare Superintendent	.. .. 50—3—80
1 Nursery school teacher	.. .. 35—3—65
1 Assistant Operator	.. .. 25—1—35

*(Part-Time).*

Rs.

	Rs.
1 Librarian	.. .. 15
3 Games teachers	.. .. .. 15 each.
1 Children's playground overseer	.. .. 15
1 Gymnasium teacher	.. .. 15

*Inferior Staff.*

				Rs.
1 Ayah	..	..	..	14
1 Sweeper	..	..	..	14
1 Watchman	..	..	..	14

*Superior Staff (Full-Time).*

“A” type centre, Sholapur.

			Rs.
1 Welfare Superintendent	..	..	50—3—84
1 Nursery school teacher	..	..	35—3—65
1 Assistant operator	..	..	25—1—35

*(Part Time)*

			Rs.
1 Librarian	..	..	15
3 Games teachers	..	..	15 each.
1 Children's play ground overseer	..	..	15
1 Gymnasium teacher	..	..	15

*Inferior Staff.*

			Rs.
1 Ayah	..	..	14
1 Sweeper	..	..	14
1 Watchman	..	..	14

## SCHEME No. 74 (V).

SCHEME : *Expansion of Cinema activities of the Labour Welfare Department.*

1. *Brief description.*—Visual instruction constitutes one of the important activities of the Labour Welfare Department. The existing equipment of the Labour Welfare Department for the staging of its Cinema shows is considered inadequate. It is proposed to expand the cinema activity of the Department to Sholapur and other mofussil centres. This requires a sufficient stock of films and reels. The existing equipment in respect of projectors is deteriorating. It is accordingly proposed to purchase good projectors with talkie equipment.

2. *Areas selected for application.*—All the areas in the province that are covered by the activities of the Labour Welfare Department.

3. *Other Departments concerned.*— .....

4. *Upper staff for planning and/or execution.*—Three motor drivers on scale of Rs. 50—2—70.

5. *Lower staff for planning and/or execution of the scheme.*—Nil.

6. *How to obtain staff.*—To be recruited locally.

7. *Rough estimate of cost at the existing rates for each year after the First Five-Year Plan.*—

		1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
Capital	..	Rs. 1,25,000	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. 1,25,000
Non-recurrent	..	..	..	..	..	..	..
Recurrent	..	..	37,944	37,944	37,944	37,944	1,89,720

8. *To what extent is the scheme productive and/or cost recoverable.*—Not productive.

9. *Nature of material, machinery, etc., needed from—*

(1) *Abroad.*—Cinema projectors and accessories will be obtained from abroad.

(2) *Locally.*—Three motor trucks for carrying talkie projectors will be obtained from demobilised war material.

10. *Any other remarks or information.*— .....

## SCHEME No. 74 (VI).

SCHEME : Establishment of 15 additional "C" type centres each at Bombay City and Ahmadabad and 3 at Sholapur.

1. *Brief description.*—A 'C' type Centre—is a small welfare centre in hired emises. Indoor activities like library, musical entertainments and women's wing and tailoring classes are carried on in these centres.
2. *Areas selected for application.*—Bombay City, Ahmedabad and Sholapur.
3. *Other Departments concerned.*—No other Department is concerned.
4. *Upper staff for planning and/or execution of the scheme.*—Statement attached.
5. *Lower staff for planning and/or execution of the scheme.*— Do.
6. *How staff to be obtained.*—Locally.
7. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Capital	..	..	..	..	..	..
Non-recurrent	..	5,650	5,650	5,650	..	16,950
Recurrent	..	28,788	57,576	71,364	86,364	3,30,456

8. *To what extent is the scheme productive and/or cost recoverable.*—Nil.

9. *Nature of material, machinery, etc., needed from—*

(1) *Abroad.*— .....

(2) *Locally.*—Available locally.

10. *Any other remarks or information.*— .....

## STATEMENT.

	Rs.	Rs.
Bombay	..	49,400
Staff—		
1 Welfare Organizer (60—3—90)	..	60
1 Cleaner at Rs. 23 per mensem	..	23 Inferior Staff.
1 Part-time Librarian	..	15
1 Part-time Games Supervisor	..	15
1 Part-time Lady Worker	..	20

$$133 \times 12 = 1,596$$

$$1,596 \times 6 = 9,576$$

or Rs. 9,600

	Rs.	Rs.
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*Ahmedabad**Staff—*

1 Welfare Organiser (30—3—60) (30 × 1)	..	30	
1 Part-time Games Teacher	..	15	
1 Part-time Sewing Class Mistress	..	15	
1 Cleaner (full time)	..	17	Inferior Staff.

$$77 \times 12 = 924 \times 6$$

=Rs. 5,544 or Rs. 5,500

*Sholapur*

	..	22,600
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*Staff—*

1 Welfare Organizer (30—3—60) (30 × 1)	..	30	
1 Lady Part-time Worker	..	15	
1 Cleaner (full time)	..	14	Inferior Staff.
1 Part-time Games Teacher	..	15	

$$74 \times 12$$

=Rs. 888 × 3

=Rs. 2,664 or Rs. 2,700

## SCHEME No. 74 (VII).

## Construction of a Swimming Pool at Worli.

1. *Brief description.*—The question of the establishment of baths in the localities inhabited by the labouring classes has been engaging the attention of Government. There has also been a public cry in this direction for some time past. Baths are considered necessary from hygienic point of view. The labouring classes are denied such facilities at present, as the only recourse for baths is to water taps at the buildings or chawls where they reside. It is accordingly proposed to satisfy this need by the construction of a swimming pool at Worli, Bombay.

2. *Areas selected for application.*—Bombay.

3. *Other Departments concerned.*—Public Works Department.

4. *Upper staff for planning and/or execution of the Scheme.*—

## Superior Staff :—

			Rs.
1 Supervisor	..	..	75—5—115 per mensem.
1 Instructor	..	..	60—3—84 , , ,

5. *Lower staff for planning and/or execution of the scheme.*—

## Inferior Staff :—

			Rs.
1 Watchman	..	..	23 per mensem.
1 Sweeper	..	..	21 , , ,
4 Cleaners	..	..	23 , , , each.

6. *How staff to be obtained.*—Locally.

7. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Capital	..	50,000	50,000	50,000	..	1,50,000
Non-recurrent	..	..	..	1,000	..	1,000
Recurrent	..	..	..	5,944	5,944	5,944
						17,832

8. *To what extent the scheme is productive and/or cost recoverable.*—Not productive.

9. *Nature of machinery, etc., needed from—*

(a) *abroad.*—

(b) *locally.*—This will be completed from material obtained locally.

## SCHEME No. 75.

1. *Department*.—Public Works Department.
2. *Scheme*.—Buildings.
3. *Brief description of scheme*
4. *Areas selected for application*.
5. *Other Departments to be consulted*.—R. D. G. D., E. D., P. & S. D., H. D., and F. D.
6. *Upper staff for planning and/or execution of the schemes*.
7. *Lower staff for planning and/or execution of the schemes*.
8. *How staff to be obtained*.
9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan*—

Rs. in lakhs.

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) Capital .. .. 58 58 58 58 290						
(b) Recurring :—						
(i) Works .. .. Not worked out.						
(ii) Establishment .. 0.6 1.15 1.2 1.2 1.2 5.35						

10. *To what extent is the scheme productive and/or cost recoverable*.—Generally the buildings constructed for administrative purposes will not be directly productive. Those intended for residential purposes will bring in some return by way of rent.

11. *Nature of material, machinery, etc., needed from*—

(a) *Abroad*.  
(b) *Locally*

} *Vide statement B attached.*

12. *Any other remarks or information*.—The rough estimates of costs for each of the 2nd and 3rd 5-year periods are Rs. 406 lakhs and Rs. 465 lakhs respectively.

2. It is not easy at this stage to fix the priority regarding the construction of buildings in the post-war period. Much will depend on the order in which the post-war schemes are taken up and this will depend in turn on the circumstances prevailing at the time, e.g., the availability of staff, materials, funds, etc. The following broad principles will however be observed in determining the order of priority.

The buildings connected with special priority schemes will come first.

Next in order of importance will come all buildings necessary for the execution of the schemes included in the first five-year plan. In determining the priority of buildings in this general category, the following order will be adopted.

Buildings necessary for—

- (a) 'Concentrated area' schemes:
- (b) All Province Schemes;
- (c) Particular areas schemes.

Further the priority *inter se* of buildings included in each of these three categories will be fixed according to the general order of priority proposed to be adopted for allocation of post-war funds, viz. :—

- (i) Communications (i.e., buildings for staff, etc., engaged on road development projects).
- (ii) Agriculture.
- (iii) Public Health.
- (iv) Education.

Then would come the buildings (for the first five-year plan) which are not connected with any specific post-war reconstruction schemes, e.g., Court buildings, Government offices, rest houses, etc."

3. The details regarding cost and staff are only tentative and have not yet been finally approved by Government.

#### STATEMENT I : *Special Priority Schemes.*

##### *Scheme No. 75.*

Serial No.	Name of building and the locality.	Estimated cost (approximate).	Other Department to be consulted.
	2	3	4
1	*Buildings for the expansion of the Engineering College, Poona .. .. ..	6,20,000	Educational Department.
2	Buildings for the expansion of the Agricultural College, Poona—		Revenue Department.
	(i) Agriculture College proper .. .. ..	6,73,200	
	(ii) Government farm at Manjri near Poona .. .. ..	1,96,500	
3	Buildings required for the training of Subordinate Medical Practitioners in sanitary and public health work and expansion of existing facilities for the training of more Health Officers, Sanitary Inspectors, etc. .. .. ..	3,00,000	General Department.
4	Buildings for a College of Nursing at Satara .. .. ..	50,000	General Department.
	Total .. .. ..	18,39,700	

\* Expenditure to the extent of Rs. 2,58,000 on Building works and Rs. 10,500 on Furniture has been authorised in the year 1944-45.

## SCHEME No. 75.

## Statement III.—Schemes for Particular areas.

Serial No.	Name of the building and the locality.	Estimated cost (Approximate).	Other Depart- ment to be consulted.
1	2	3	4
Rs.			
1	Elphinstone College Hostel, Bombay ..	3,41,000	Educational.
2	Sydenham College Hostel, Bombay ..	3,50,000	Do.
3	Government Law College Hostel, Bombay }		
4	Tardeo Police Scheme, Bombay ..	22,00,000	Home.
5	Buildings for Civil Offices, Ahmedabad ..	8,00,000	Revenue.
5A	Civil Hospital at Ahmedabad ..	21,00,000	General.
6	Extensions to—		
	(i) The Gujarat College, Ahmedabad ..	2,14,000	Educational.
	(ii) The R. C. High School, Ahmedabad ..	35,000	Do.
7	Girls' High School, Ahmedabad ..	2,00,000	Do.
8	V. A. Technical School in the compound of the Elphinstone High School, Bombay.	1,86,000	Do.
9	Tuberculosis Hospital in the compound of the J. J. Hospital, Bombay.	74,000	General.
10	Hostel for 40 lady students, Grant Medical College, Bombay.	1,96,000	Do.
11	Outpatients' Department at the Goculdas Tejpal Hospital, Bombay.	2,31,000	Do.
12	Administrative Block at the Cama and Albless Hospital, Bombay.	37,000	Do.
13	Additional accommodation for Motor Vehicles and Taxation Office at the Headquarters Police Station, Bombay.	1,15,000	Home.
14	Additional Storey to Bungalow " Land's End House ", Bombay.	50,000	Public Works.
15	Police accommodation scheme in Greater Bombay at Bandra, Santa Cruz, Andheri and Kurla.	2,77,000	Home.
16	Laboratory (Goat Virus) in the compound of the New Veterinary College, Parel.	80,000	General.
17	Additional accommodation for housing armed police at Naigaum.	2,83,000	Home.
18	Construction of Servants' quarters in the compound of the Civil Hospital, Karwar.	12,556	General.
19	Construction of a bungalow for the Civil Surgeon at Karwar.	20,051	Do.
20	Constructing quarters for 41 servants, 1 Nurse and 1 clerk in the Mental Hospital, Dharwar.	69,200	Do.
21	Additions and alterations, i.e. providing a first floor to the Deputy Educational Inspector's office at Karwar.	12,353	Educational.
22	Constructing constabulary quarters at Saundatti ..	47,500	Home.
23	Constructing a Sub-Jail at Dharwar ..	89,886	Do.
24	Constructing District and Subordinate Court Buildings at Dharwar.	4,04,482	Do.
25	Constructing new Office room and a garage for the Divisional Forest Offices at Dharwar.	11,600	Revenue.
26	Construction of 6 1st class Bungalows at Dhulia, Sholapur, Jalgaon, Dindori, Madha and Niphad.	1,80,000	Do.
27	Conversion of 3 bungalows at Mahe-Jalgaon, Shahada and Jamkhed into 1st Class Bungalows.	30,000	Do.
28	Construction of 18 Rest Houses ..	3,60,000	Do.
29	Development of Parel Tank site and construction of stables and other buildings.	4,37,700	General.
30	Extension of I-mail College at Andheri ..	1,00,000	Educational.

Serial No.	Name of the building and the locality.	Estimated cost (Approximate).	Other Depart- ment to be consulted.
1	2	3	4
		Rs.	
31	Buildings to house Remand Home, Office and paid Probation Officer's quarters in 50 per cent. of the Districts of the Province at a cost of Rs. 40,000 per District.	4,00,000	Home.
32	Extension of buildings to be used for certified school at Jambul.	50,000	Do.
33	Extension of Remand Home at Umerkhadi ..	50,000	Do.
34	New (additional) Remand Home (Probably for girls only) in Bombay.	2,00,000	Do.
35	Construction of a Girls' Home (certified school for girls), presupposing the raising of the age within which girls will come under the Children Act.	4,00,000	Do.
36	Rehousing of settlers in settlements ..	80,000	Do.
37	Hostels for children of Indian soldiers at Jalgaon and Karwar.	25,000	Do.
38	Construction of new buildings for the accommodation of District and Sub-Judge's Court at Sholapur.		
39	Providing a storey to the Sub-Judge's Court at Borsad, District Kaira.		
40	Bombay City Police building works ..	1,09,00,000	Do.
41	District Police Lines at 11 places ..		
42	Other Police works ..		
43	Police Station, Ahmedabad ..		
44	Quarters for additional Jail guarding staff and other staff who are at present not provided with quarters on the premises.		
45	Construction of New Central Jail near Bombay ..		
46	Construction of a new Sub-Jail at Nasik ..		
47	Electric lighting to be provided at Dhulia District Prison.		
48	Scheme for separation of habituals from casuals ..	50,00,000	Do.
49	Interview rooms at 6 Prisons ..		
50	Conversion of old Distillery at Godhra into a Borstal School for Gujarat Boys.		
51	Water carriage system for night soil at Yeravada Central Prison.		
52	Borstal School for girls ..		
53	A certified school in Gujarat ..	2,00,000	Do.
54	Extension of Central Offices at Poona ..	13,00,000	Public Works.
55	New additional offices next to Council Hall at Poona ..	10,00,000	Do.
56	Completion of New "A" type Labour Welfare Centre at Sholapur.	50,000	Political and Services.
57	Reconditioning of existing playgrounds at Bombay, Ahmedabad and Sholapur Cities.	39,000	Do.
58	Improvements and additional constructional work at 'A' type Centre at Ahmedabad	36,000	Do.
59	Extension of Government Industrial Training Workshop, Ahmedabad.	31,500	Do.
60	Opening of 11 "B" type centres ..	4,62,000	Do.
61	Opening of an additional 'A' type centre at Ahmedabad.	1,00,000	Do.
62	Opening of an additional 'A' type centre at Sholapur	1,08,000	Do.
63	Opening of a Government Industrial Training Workshop at Sholapur.	75,000	Do.
64	A swimming pool to be attached to the 'A' type centre at Worli.	1,50,000	Do.
65	Construction of a combined office for the Divisional Forest Officer and Range Forest Officer at Thana.	24,750	Revenue.
66	Buildings for Police Head Quarters in the Kaira District on their transfer to Nadiad.		Home.
67	Buildings for Revenue and Other officers in the Kaira District on the transfer of Head Quarters to Nadiad.	16,25,000	Revenue.

Serial No.	Name of the building and the locality.	Estimated cost (Approximate).	Other Department to be consulted.
1	2	3	4
		Rs.	-
63	Construction of 90 Rural Development godowns ..	4,50,000	Revenue.
69	Extension of Industrial Housing Scheme : Provision of 48 chawls of 80 rooms each.	52,00,000	Public Works.
70	Construction of buildings for 33 Cottage Hospitals ..	33,00,000	General.
71	Construction of buildings for the Colleges of Nursing at Broach.	50,000	Do.
72	Buildings required in connection with the conversion of the B. J. Medical School, Poona, into a Medical College.	2,62,000	Do.
73	Construction of an additional wing at the Sassoon Hospitals, Poona.	1,20,000	Do.
74	Construction of a Medical College at Ahmedabad ..	19,00,000	Do.
75	Removal of Mental Hospital and Leper Hospital, Ahmedabad, to a new site.	6,00,000	Do.
76	Expansion of Mental Hospital, Thana ..	1,25,000	Do.
77	Improvement of water-supply at the Silver Jubilee Leper Hospital, Sankeshwar.	13,500	Do.
78	Improvement to Civil Hospital, Godhra ..	20,500	Do.
79	Construction of sheds for a dairy at the Mental Hospital, Yeravda.	15,000	Do.
80	Construction of a dairy at the N. M. Mental Hospital, Thana.	5,000	Do.
81	Reconstruction of J. J. Hospital and Grant Medical College, Bombay.	30,00,000	Do.
82	Construction of a building in the J. J. or St. George's Hospital compound for the Office of the Surgeon General, Director of Public Health, Bombay Medical Council, etc.	12,50,000	Do.
83	Construction of quarters for the staff of all Government Hospitals who are not provided with quarters at present.		
84	Industrial School, Hubli ..	43,000	Educational.
85	Reorganisation of R. C. Technical Institute, Ahmedabad.	2,52,400	Do.
86	Aquarium in Bombay ..	82,000	General.
87	Fish Farm, Khopoli ..	50,000	Do.
88	Fish Farm, Poona ..	50,000	Do.
89	Improvement of the Village Industries Experimental workshop, Poona.	50,000	Revenue.
90	Expansion of Industrial Apprentice Scheme ..	4,15,000	Do.
91	Additions and alterations to the office of the Executive Engineer, Nasik Irrigation Division.	5,000	Public Works.
92	Proposed New quarter for Sub-Divisional Officer, his office and other subsidiary structures at Malegaon.	20,000	Do.
93	Constructing quarters for Inspector, Measurer and Keyman for Water Course 27, Pravara Right Bank Canal.	2,485	Do.
94	Do. do. at Musalwadi ..	6,183	Do.
95	Additions and alterations to Sub-Divisional Officer's office at Deolali Pravara Right Bank Canal.	990	Do.
96	Additions and alterations to the Store House in the compound of Sub-Divisional Officer's office at Ahmednagar.	2,219	Do.
97	Mohamad Ali Road Police Scheme, Bombay ..	Cost not worked out.	Home.
98	Court Buildings at Sholapur ..	Do. ..	Do.
99	Syd. nham College of Commerce, Bombay ..	Do. ..	Educational.
100	Poona Regional Office ..	Do. ..	Home.
101	Six Sub-regional offices ..	Do. ..	Do.

Serial No.	Name of the building and the locality.	Estimated cost (Approximate).	Other Depart- ment to be consulted.
2	3	4	
Rs.			
102	Bombay Regional Office	..	Cost not work-ed out.
103	Thana Regional Office	..	Do.
104	Nasik Regional Office	..	Do.
105	Six Sub-regional Offices	..	Do.
106	Sub-regional offices in the remaining six Districts	..	Do.
107	Construction of 33 Village Markets for rural Develop- ment.	..	Do. Revenue.
108	Court Buildings at Ahmedabad	..	Do.
109	Extension of the Secretariat (Civil and Public Works Departments) at Bombay.	*Do.	All Depart- ments.
110	Fifteen garages in connection with the introduction of Ambulance Services at District Headquarters Hospitals.	37,500	General.
111	Construction of a New Record Room at Godhra	17,044	Revenue.
112	Civil Surgeon's Bungalow at Surat	41,574	General.
113	Zampa Police Lines at Surat	2,10,000	Home.
114	Reconstruction of the whole Collectorate Building at Thana including the Treasury Office.	1,20,000	Revenue.
115	Construction of the District Bungalow at Kalyan	30,000	Do.
116	Construction of Leper Asylum at Thana	1,50,000	General.
117	Additions to the Mamlatdar's Kacheri at Kalyan	12,500	Revenue.
118	Additions to the Mamlatdar's Kacheri at Shalipur	12,000	Do.
Total		5,88,30,618+	cost of uncosted buildings.

\*As the present office accommodation both in the Civil and the Public Works Department Secretariats is very inadequate and some of the offices are housed in hired accommodation, it is very necessary to extend the Secretariat Offices in Bombay.

#### Statement IV.—Schemes for Concentrated areas.

Serial No.	Name of building and the locality.	Estimated cost (Approximate).	Other Depart- ment to be consulted.
1	2	3	4
Rs.			
Inspection and District bungalows in :—			
1	Poona District	..	90,000
2	Satara District	..	1,50,000
3	Sholapur District	..	1,50,000
4	Ahmednagar District	..	1,50,000
5	Inspection bungalows at Ratnagiri and Khed	..	36,184
6	Secondary College at Belgaum	..	(Not worked out but assume)
7	Civil Hospital at Bijapur Outpatients' block	..	75,000
8	Police lines at Roha	..	59,776
9	Repairs to the Collector's Kacheri at Ratnagiri	..	10,172
			60,000

Serial No.	Name of the building and the locality	Estimated cost Approximate	Other Depart- ment to be consulted.
1	2	3	4
Rs.			
10	Rebuilding of taluka Kacheri at Malvan	75,000	Revenue.
11	Constabulary quarters and well at Amingad, District Bijapur.	15,628	Home.
12	Constabulary quarters and well at Kerur, District Bijapur.	18,666	Do.
13	Inspection bungalow with outhouses and a well at Talikot, District Bijapur.	16,399	Public Works.
14	Addition and alterations to the Sub-Judge's Court at Belgaum.	39,061	Home.
15	Conversion of the bungalow at Khed into a first class bungalow.	10,000	Revenue.
16	Building for Certified School at Malsiras, District Sholapur.	2,00,000	Home.
17	Hostels for children of Indian Soldiers at 14 different places.	1,75,000	Do.
18	Court house for subordinate Judge's Court at Chikodi, District Belgaum.	50,925	Do.
19	Court house for the Subordinate Judge's Court at Rahuri, District Ahmednagar.	37,500	Do.
20	District Police Lines at 7 places	3,00,000	Do.
21	Bungalow (for Police) at Ratnagiri	50,000	Do.
(very approxi- mate).			
22	Provision of electric lighting at Bijapur District Prison.	4,674	Do.
23	One B type Labour Welfare Centre at Surat	42,000	Political and Services.
24	Belgaum Regional Office	..	Home.
.. (Not worked out but assume)		75,000	
25	District bungalow at Jalalpur, District Surat	21,000	Revenue.
26	District bungalow at Chikli, District Surat	30,000	Do.
27	Building for Ayurvedic Teaching Institutions at Bijapur and Belgaum.	4,00,000	General.
28	Building for establishment of leper colonies in Bijapur District.	25,000	Do.
29	New outpatients' Department building at Civil Hospital, Surat.	20,500	Do.
30	Agriculture Headquarters Industrial Section, Satara..	1,46,000	Revenue.
31	Agriculture Headquarters Industrial Section, Ratnagiri.	1,40,000	Do.
32	Industrial School, Satara	75,000	Do.
33	Agriculture High Schools	4,00,000	Educational.
34	Technical High Schools	2,00,000	Do.
35	Primary Training Colleges	12,65,000	Do.
36	Full Grade Primary Schools with Hostels for girls	10,50,000	Do.
37	Full Grade Primary Schools with Agriculture bias and hostels.	11,00,000	Do.
38	1,600 Full Grade Primary Schools Buildings in the concentrated areas in connection with scheme Nos. 90 and 92.	4,80,00,000	Do.
39	Buildings in connection with the increase in number of beds at District Headquarters Hospitals in concentrated areas (Part I of Scheme No. 26).	7,50,000	General.
5,51,75,000			
Grand total of the Statements I, III and IV Say		11,61,45,118	
		11,61,00,000	

## STATEMENT A.

Scheme No. 75—Buildings (Establishment)—Engaged on Buildings.

Item.	No. and designation.	Scale.
		Rs.
(1) <i>Upper Staff for Planning and Execution.</i>	One Chief Engineer (also responsible for Roads, Irrigation and Public Health Schemes).	2,750—125—3,000.
	One Superintending Engineer (also responsible for Roads, and Irrigation Schemes).	1,750—100—2,150.
	One Executive Engineer	440—40—1,000.
	Three Deputy Engineers	250—20—750.
(2) <i>Lower Staff for Planning and Execution.</i>	Ten Overseers	70—5—100—10—250.
	Office Staff	As per unit sanctioned in G.R. 6717/36 (1), dated the 17th March 1944, scales sanctioned in that G.R. for the various grades will be adopted.

## How staff to be obtained.—

The technical staff would be obtained :—

- (1) Partly by promotion from within the Department.
- (2) Partly by recruitment from the market (thru' the P. S. C.) of men without war or Defence Force Services.
- (3) Partly by recruitment of men from the market or direct from the Defence Force (thru' the P. S. C.) of men with war service. The ration between 2 and 3 will be fixed 50 : 50 for the time being.

Rough estimate of cost at the existing rates for each year of the first five-year planning :—

	1st year.	2nd year.	3rd year.	4th year.	5th year.
In lacs of rupees.					
Recurring	..	..	0.6	1.15	1.2

*Note 1.*—(The expenditure under the 1st and Second Year includes the proportionate cost of one S. E. (Rs. 3,000) who is also responsible for roads and Irrigation Schemes).

*Note 2.*—The expenditure under the 3rd, 4th and 5th year includes (1) the proportionate cost of the Chief Engineer (Rs. 5,000) who is also responsible for Roads, Irrigation and Public Health Schemes and (2) One S. E. (Rs. 3,000) who is also responsible for roads scheme.

## STATEMENT B:

## SCHEME No. 75.

## Buildings.

*Materials required.*

		In the first 5 years' period of the Scheme.	For the whole Scheme.
		Tons.	Tons
Cement	..	60,000	200,000
Steel	..	12,000	40,000

*Plant required.*

		In the 1st 2 years of the 1st 5 years' period of the Scheme.
Lorries	..	.. .. 36 Nos.
Stone crushers	..	.. .. 6 ,,
Saw benches	..	.. .. 2 ,,
Rock drills	..	.. .. 12 ,,
Concrete mixers	..	.. .. 10 ,,
Pile driving plant	..	.. .. 1 No.
Pumping plant for foundations, etc.	..	.. .. 1 ,,

*Note.*—The above information involves a large number of important assumptions which may or may not prove accurate in practice. Therefore the data given should be considered as being very approximate only and the best available at this stage.

SCHEME No. 76.

1. Department.—Public Works Department.
2. Scheme.—Irrigation Projects.
3. Brief description of the scheme.—
4. Areas selected for application.—
5. Other Departments concerned.—
6. Upper staff for planning and/or execution of the scheme.—
7. Lower staff for planning and/or execution of the scheme.—
8. How to be obtained .. .
9. Rough estimates of cost at existing rates for each year of the First Five Year Plan.—

} Vide Statement A attached.

} The details of staff and cost have to be approved by Government.

} Vide Statement C attached.

	1st year. Rs. in lakhs.	2nd year. Rs. in lakhs.	3rd year. Rs. in lakhs.	4th year. Rs. in lakhs.	5th year. Rs. in lakhs.	Total Rs. in lakhs.
(a) Capital .. ..	55	82.5	137.5	137.5	137.5	550
(b) Recurring—						
(i) Works .. ..			Not worked out.			
(ii) Establishment .. ..	2.2		4.2	6.2	6.2	25

10. To what extent is the scheme productive and/or cost recoverable.—Vide Statement A attached.

11. Nature of materials, machinery, etc., needed from—

(a) Abroad.— } Vide Statement B attached.  
(b) Locally.— }

12. Any other remarks or information.—Out of the 23 works shown in the accompanying statement A, works costing Rs. 14 crores are to be selected in due course, for P. W. R. Programme. It has been decided to take up the

marginally\* noted three irrigation schemes for detailed investigation and the Project Organisation has started work on surveys, etc. The projects (estimates) when ready and received by Government will be further examined. In this connection it is observed that Irrigation Projects, being of a technical nature, a great deal of investigation has to be carried out before the schemes can assume a final form ready for execution.

The question of selecting other works out of the 23 schemes referred to above is under consideration.

The rough estimated cost of this scheme for the 2nd and 3rd five year periods of the P. W. R. Programme is estimated at Rs. 470 lakhs and Rs. 380 lakhs respectively.

## STATEMENT A.

## SCHEME NO. 76.

## Irrigation Works.

Serial No.	Scheme No.	Brief description of scheme,	Area selected for application.	4	Other Departments to be consulted.			Rough estimate of cost at existing rates.	Recurring.	To what extent is the scheme productive or cost recoverable.
					5	6	7			
1	2	3						Rs. in lakhs.		Per cent.
NORTHERN DIVISION.										
1	Irrigation.	The Marshiwa Canal Project	..	Kaira District	..	Revenue Department.	20*	Not worked out.	1.2	
2	Do.	The Muhi Canal Project	..	..	..	Do.	300	Do.	2.0	
3	Do.	The Watrak Canal Project	..	..	..	Do.	105*	Do.	2.0	
4	Do.	The Tapii River Project	..	..	..	Do.	88*	Do.	8.5	
5	Do.	Vardaha Tank	..	Kaira District	..	Do.	4.4†	Do.	....	
6	Do.	Patadungri Tank	..	Panch Mahals	..	Do.	7.6†	Do.	....	
CENTRAL DIVISION.										
7	Do.	Vir Dam Project	..	Poona, Sholapur Districts	..	Revenue Department.	167‡	Not worked out.	1.94	per cent.
8	Do	Khadakwasla Project	..	Poona District	..	Do.	215†	Do.	2.13	
9	Do	Gangapur Dam including Hydro Plant.	Hydro Electric	Nasik and Ahmednagar	..	Do.	82*	Do.	3.6	
10	Do	Girna Project	..	Khandesh	..	Do.	400*	Do.	2.73	

11.	Do.	Mula Project	Do.	396*	Do.	3.68
11.	Do.	Tisang Tank at the tail of Nira Right Bank Canal No. III.	Do.	14†	Do.	2.5
12.	Do.	Bhamburdi Tank at the tail of the Nira Right Bank Canal.	Do.	9†	Do.	2
13.	Do.	Raising the Chankapur Dam Additional storage for Girna Canal.	Do.	5†	Do.	....
14.	Do.	Khamgaon Tank	Do.	2†	Do.	4.5
15.	Do.	Victoria Tank	Do.	2.4†	Do.	1.8
16.	Do.	Mangi Tank	Do.	9.5†	Do.	....
17.	Do.	Sapatna Tank	Do.	3.7†	Do.	....
18.	Do.	SOUTHERN DIVISION.		Revenue Department.	6†	Not worked out.
19.	Do.	Improvements to the feeder channel for the Gaddikeri Tank at Mugutkhan, Hubli.	Belgaum	20.4†	Do.	0.64
20.	Do.	Pick-up-weir schemes across the Malaprabha at Shivayog-Mandir.	Bijapur	Do.	Do.	....
21.	Do.	Asoga Scheme	Belgaum	Do.	Do.	0.65 at Post-War cost.
22.	Do.	Golkak Left Bank Canal Scheme	Belgaum	30*	Do.	....
23.	Do.	The Don Irrigation Scheme	Bijapur	Do.	Do.	....
				Total cost.	1,887.0	lacs.

Note.—(1) The cost of the works against which † mark is made makes no allowance for either Pre-War or Post-War rise in prices as they are not recently reviewed.

The cost of the works against which \* is made, makes a suitable allowance for Post-War construction as some of these schemes were made out long ago.

The cost of the work against which ‡ is reported by the Superintending Engineer, Decean Irrigation Circle.

The cost of the work against which § is in due course and the Public Works Department programme is only for this amount.



## STATEMENT C.

## SCHEME NO. 76.

## Irrigation (Establishment).

## Establishment engaged on Irrigation.

Item.	No. and designation.	Scale.
		Rs.
(1) Upper staff for planning and execution.	One Chief Engineer (also 2,750—125—3,000 responsible for Roads, Buildings and Public Health Schemes). One Superintending Engineer. Four Executive Engineers Sixteen Deputy Engineers	1,750—100—2,150 440—40—1,000 250—20—750
(2) Lower staff for planning and execution.	Sixty-four Overseers Office Staff	70—5—100—10—250 As per units sanctioned in G. R. No. 6717/36(1), dated 17th March 1944. Scales sanctioned in that Government Resolution for the various grades will be adopted.

## (3) How staff to be obtained.—

The technical staff will be obtained—

- (1) Partly by promotion from within the Department.
- (2) Partly by recruitment from market (through the P.S.C.) of men without War or Defence Force Services,

and

- (3) Partly by recruitment of men from the market or direct from the Defence Force (through the P.S.C.) of men with War Service.

The ratio between (2) and (3) will be fixed 50 : 50 for the time being.

*Note.*—(1) Government has under consideration the question of increasing the rates of guaranteed appointments to the B. S. E. Class I and Class II and the S. S. E. Services. The admissions to the B. E. and Diploma Course of College of Engineering, Poona, have already been increased by 50 per cent. to allow for the increased number of students to be trained for the three technical services. The question of increasing further admissions to the College of Engineering, Poona, is being considered separately. It will also be necessary to give a special temporary guarantee for the B. S. E. Class II and the S. S. E. (Overseers) from April 1945 to April 1949 inclusive for purposes of training technical men which are required for Irrigation, Roads, Buildings and Public Health Schemes.

(2) Government has under consideration the starting of classes for training works inspectors and maitries, who will be required in large numbers for the execution of Post-War Reconstruction Scheme in general.

(3) No special measures of recruitment are necessary for the training of non-technical services such as clerks, D'men, etc. excepting the training of Sub-divisional clerks. The question of opening training classes for Sub-divisional clerks is also under the consideration of Government:—

*Rough estimate of cost at the existing rates for each year of the First Five-Years Plan.—*

1st year. 2nd year. 3rd year. 4th year. 5th year.  
In lakhs of Rs.

Recurring	..	..	2.2	4.2	6.2	6.2
-----------	----	----	-----	-----	-----	-----

*Note.*—(1) The cost in the 3rd, 4th and 5th year includes proportionate cost of one Chief Engineer who is also responsible for Roads, Buildings and Public Health Schemes.

(2) The cost for the 1st and 2nd year includes the proportionate cost of Superintending Engineer Project Circle, which is based on the ratio of works expenditure between roads and buildings and irrigation.

## SCHEME No. 77.

1. *Department*.—Public Works Department.

2. *Scheme*.—Public Health Projects.

3. *Brief Description of the Scheme*.— }  
 4. *Area selected for application*.— }  
 5. *Other Departments concerned*.— } As given in the accompanying Statement A. Out of the 14 projects the first two projects are to be taken up in the first 5-year period and the remaining twelve projects in the second 5-year period of the whole 15-year period of the P.W.R. Programme.

6. *Upper staff for planning and/or execution of the scheme*.—The details of staff and cost have to be approved by Government.

7. *Lower staff for planning and/or execution of the scheme*.— } *Vide Statement C attached.*

8. *How staff to be obtained*.—

9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan*.—

		1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
		Rs. in lakhs.	Rs. in lakhs.	Rs. in lakhs.	Rs. in lakhs.	Rs. in lakhs.	Rs. in lakhs.
(a) Capital	..	..	14.6	21.9	36.5	36.5	36.5
(b) Recurring—							
(i) Works			..	<i>Vide col. 7 of Statement A attached.</i>			
(ii) Establishment	..	Nil.	0.90	2.75	2.75	2.75	9.15

10. *To what extent is the scheme productive and/or cost recoverable*.—These schemes being amenities of live are generally under the control of Government or semi-Government bodies. Consequently they are productive in so far as the return of capital with interest and annual expenditure on Maintenance and Repairs is concerned. As a rule no profits should accrue on these schemes. The capital is recoverable in 30 years by way of water rates and drainage cess.

11. *Nature of material, machinery, etc., needed from*.—

(a) *Abroad*.— }  
 (b) *Locally*.— } *Vide statement B attached.*

12. *Any Other remarks or information*.—The rough estimated cost for the 2nd five-year period in respect of the remaining 12 projects to be taken up in the 2nd five-year period is Rs. 284 lakhs. In this connection it is observed that the P.H. Projects being of technical nature a great deal of investigation has to be carried out before the schemes can assume a final form ready for execution.

**SCHEME No. 77.**

**STATEMENT A.**

**PUBLIC HEALTH PROJECTS.**

Serial No.	Scheme No.	Brief description of the scheme.	Area selected for application.	Other Depart- ments concerned.	Rough estimate of cost at existing rates.	Rs. in Lakhs.		General and Finance Departments.
						4	5	
1	2	3	4	5	6	7		
1	Water Supply	..	Dharwar and Hubli	..	94.6	14,85,000		
2	Do.	..	Belgaum	..	61.7	5,02,800		
3	Do.	..	Ahmednagar Water Supply and Filtration Plant.	..	4.3	47,500		
4	Do.	..	Salsette Water Supply (Government)	..	104.5	8,49,000		
5	Drainage	..	Badlapur Suburbs of Bombay	..	62.3	1,77,000		
6	Water Supply	..	Surat	..	5	59,420		
7	Do.	..	Surat Water Supply Distribution System	..	4.5	40,140		
8	Do.	..	Pandharpur Water Supply distribution system.	Pandharpur.				
9	Do.	..	Khadakwasla Scheme for supply of filtered water to Poona and Kirkee.	Poona and Kirkee	55	11,43,084		
10	Drainage	..	Nipani Water Supply	Nipani (Belgaum District)	..	6.6	76,200	
11	Do.	..	Ghatkopar Drainage	Ghatkopar	..	7.2	55,500	
12	Do.	..	Jalgaon	Jalgaon	..	6.6	79,190	
13	Water Supply	..	Dando and Santa Cruz Drainage	Bombay Suburbs	..	8.3	85,500	
14	Do.	..	Nadiad Water Supply	Nadiad	..	9.6	1,67,000	
		..	Godhra Water Supply	Godhra	..	9.5	1,67,000	
						429.7		
							Say 4.3 crores.	

\*Including interest on capital repayment of instalment, depreciation and maintenance and repairs.

## Domestic Health Services Included in the First Five-Year Period.

*Statement showing the type and quantity of materials required for executing the schemes.*

Sheet No. 1

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## 1. Neeravar Water Supply Scheme for Bharwari and Hindaun

Bulgaria Water Supply—Full scheme including distribution system for all local bodies.. 12 6,360 5700 13660 10500 .. .. .. 10600 1810 .. .. 60000 1200 20110 2300 .. 2500 1600 .. 2500 1600 100

Sheet No. 2

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6 sets of 250 B. H. P. Oil Engines and Centrifugal pumps.	
4 sets of 400 B. H. P.	do.
2 sets of 550 B. H. P.	do.
do.	do.
4 Nos. Pressure relief valves.	
22 Nos. Radix valves	18".
Air compressors for the above pumping plants.	
Travelling cranes, 3 Nos. with girders, weighing 7 tons.	
Cooling water tanks, 6 Nos.	
sets of crude oil engines of 250 B. H. P. centrifugal pumps to pump 1854 G. P. M. against	

- is new or 200 rec.
- Flexible couplings.
- Pressure relief valves, 2 Nos.
- Radiflux valves, 4 Nos (18" dia.).
- Air compressors for the same.
- Travelling cranes with rails and girders suitable to take load of 3 tons.
- Cooling water tanks, 4 Nos.

Mechanical Equivalent

8. Non- of loss of head gages and rate of flow range.

- 8 Nos. ratio of flow indicators.
- 8 Nos. Automatic control gears for outlets.

1 No. Air compressor driven by electric motor to compress air 250 ft. C. Gascon Chilometer and Ammon for No. 2.

6 Nos. sloping latrines with worm gear, and  
7 Nos. Loss of head gratings and rats of low range.

#### 4. No. of New Indicators:

#### 2. No. Automatic outlet control gears

## 1. No. Air compressor driven by electric

a pressure of 75 lbs. per sq. in. with necessary valves

# 1 Gascons Chloromone and Amnotator.

*Note.*—This statement gives a list of the types and quantities of materials etc. likely to be required in respect of the first two items of the Scheme No. 63, which are proposed to be taken up in the first five years period of the P. W. B. Programme. It is not possible to give similar detailed information in respect of the remaining items of the Scheme No. 63 which are proposed to be taken up in the second five years period of the programme as some of these projects are yet to be considered. The information given is approximate only.

## STATEMENT C.

*Establishment engaged on Public Health.*

Item.	No. and designation.	Scale. Rs.
(1) <i>Upper staff for Planning and execution.</i>	Three Executive Engineers.	440—40—1,000.
	Six Deputy Engineers ..	250—20—750.
(2) <i>Lower Staff for Planning and execution.</i>	Thirty-six Overseers .. Office Staff ..	70—5—100—10—250. As per units sanctioned in G. R. No. 6717/36 (I), dated 17th March 1944.
		Scales sanctioned in that G. R. for the various grades will be adopted.

(3) *How Staff to be obtained.*

The technical staff will be obtained :—

- (1) Partly by promotion from within the Department.
- (2) Partly by recruitment from market (thro : the P. S. C.) of men without War or Defence Force Services.
- (3) Partly by recruitment of men from the market or direct from the Defence Forces (thro : the P. S. C.) of men with War Service. The ratio between (2) and (3) will be fixed 50 : 50 for the time being.

*Notes.*—(1) Government has under consideration the question of increasing the rates of guaranteed appts. to the B. S. E. Class I and Class II and the S. S. E. services. The admissions to the B. E. and Diploma Course of College of Engineering, Poona, have already been increased by 50 per cent. to allow for the increased number of students to be trained for the three technical services. The question of increasing further admission to the College of Engineering, Poona, is being considered separately. It will also be necessary to give a special temporary guarantee for the B. S. E. Class II and the S. S. E. (Overseers) from April 1945 to April 1949, inclusive for purposes of training technical men who are required for Irrigation, Roads, Buildings and Public Health Schemes.

(2) No special measures of recruitment are necessary for the training of non-technical services such as clerks, D'man, etc. excepting the training of Sub-divisional clerks. The question of opening training classes for Sub-divisional clerks is under the consideration of Government.

1st year. 2nd year. 3rd year. 4th year. 5th year.

in lakhs of Rs.

Rough estimate of cost at existing rates for each year of the first five year plans :

Recurring ..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..

[The expenditure under 3rd, 4th and 5th year includes proportionate cost (Rs. 3,000) of one Chief Engineer who is also responsible for Roads, Buildings and Public Health Schemes.]

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**CONCENTRATED AREA SCHEMES.**

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## SCHEME No. 78.

## RURAL DEVELOPMENT HEADQUARTERS.

It is proposed to establish "Rural Development Headquarters" in certain districts of the Province. These "Rural Development Headquarters" will form permanent nuclei for the spread and extension of all aspects of rural development in the districts in which they are established, e.g., training of agriculturists and their wives and families, centres for the distribution of improved seed, improved implements, manures, insecticides, etc., provision of better breeding live-stock and foci for the development of co-operative organisations in the district for the benefit and welfare of the agricultural community. These "Rural Development Headquarters" will be utilised, in the first instance, for the training of demobilised soldiers in agriculture and allied industries, such trainees on the completion of their training period being used as rural reconstruction agents in their villages.

2. In the first instance, it is proposed to establish "Rural Development Headquarters" in the main recruiting areas of the Province and thereafter to extend the establishment of such institutions until each district of the Province is provided for. In the first year, the Rural Development Headquarters will be established in the Satara and Ratnagiri districts. Subsequent extension of such institutions in the succeeding four years will be carried out in co-ordination with the needs of demobilised soldiers and in accordance with the general expansion of Government's policy of Post-war Development in the districts if the scheme proves a success.
3. It is also proposed to establish an Industries Section at these headquarters
4. The details of the scheme are under discussion and have not yet been finally approved by Government.

## SCHEME No. 79

1. *Department.*—Agriculture.
2. *Scheme.*—Establishment of taluka demonstration centres in selected villages.
3. *Brief description of the scheme.*—To acquaint cultivators with modern improvements in agriculture and the use of improved seed, implements, etc. by practical demonstrations on their own lands, 214 taluka demonstration centres have been opened in selected centres in this Province. These centres are located on the lands of cultivators who agree to co-operate with the Agricultural Department by placing at its disposal suitable areas to be utilised as demonstration centres and by cultivating their lands under the direction of the officers of the Agricultural Department. Improved seeds and implements are provided free by the Agricultural Department and a kamgar is sanctioned at each centre to give all possible assistance to the cultivator in cultivating the land according to the improved agricultural methods. The produce of the land so cultivated remains the property of the land-owner. A small seed and implement depot is opened at each demonstration centre for the convenience of neighbouring cultivators and also as a centre for the supply of improved seed, implements, etc. at the cheapest possible rates. Under the post-war reconstruction scheme it is proposed to increase the existing number of taluka demonstration centres by 265 in five years in the concentrated areas of this Province.

4. *Areas selected for application.*—Concentrated areas, *viz.*, Belgaum, Bijapur, Surat and Satara districts and parts of Poona, Sholapur, Ahmednagar, Kolaba and Ratnagiri districts.

5. *Other Departments concerned.*—Revenue, Public Works and Military departments.

6. Upper staff for planning and/or execution of the scheme.
7. Lower staff for planning and/or execution of the scheme.

} A trained Kamgar in the scale of Rs. 30—35—5/2—60 is necessary for each centre.

The figures of expenditure for each Taluka Demonstration Centre are as follows :—

	<i>Non-recurring expenditure</i>			Rs.
(i) For purchase of implements	..	..	..	425
(ii) For purchase of furniture	..	..	..	75
			Total ..	500

*Recurring expenditure.*

(i) Pay of kamgar at Rs. 30 per month (Rs. 30—35—5/2—60)	..	..	360
(ii) Dearness allowance	..	..	132
(iii) Contingencies—			
(a) Office expenses and miscellaneous	..	..	50
(b) Rent, Rates and Taxes	..	..	72
(c) Repairs to dead stock	..	..	20
(d) Supply of seed manures, etc.	..	..	50
(e) Bonus to cultivators	..	..	150
			Total ..
			831

8. *How staff to be obtained.*—From personnel to be trained in departmental training centres. Returned soldiers can be employed as Kamgars after training.

9. *Rough estimates of cost at existing rates for each year of the First Five-year Plan—*

	First year.	Second year.	Third year.	Fourth year.	Fifth year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	26,000	26,000	26,000	26,000	1,30,000
(b) Recurring	..	44,000	91,000	1,37,000	1,88,000	6,96,000
Total	..	70,000	1,17,000	1,63,000	2,14,060	8,26,000

10. *To what extent is the scheme productive and/or cost recoverable.*—Not productive.

11. *Nature of material, machinery, etc., needed from—*

- (a) abroad.—Typewriters and other office equipment.
- (b) locally.—Agricultural implements.

12. *Any other remarks or information—*

## SCHEME No. 80

1. *Department.*—Agricultural.
2. *Scheme.*— Mechanical cultivation.
3. *Brief description of the scheme.*— Establishment of a Tractor Section under the Agricultural Engineer to Government for (a) deep ploughing of lands infested with deep rooted weeds ; (b) seasonal ploughing in order to increase food crop production ; and (c) breaking up of new land development schemes, throughout the Province.
4. *Areas selected for application.*—Concentrated areas viz. Satara, Belgaum, Bijapur, Dharwar and Surat Districts, and parts of Poona, Sholapur, Ahmednagar and Kolaba Districts.
5. *Other Departments to be consulted*—(a) *Revenue Department.*—In regard to receipt of applications from cultivators for tractor ploughing on contract and for assistance in recoveries of dues.
- (b) *Co-operative Department.*—In regard to possibility of organization of co-operative societies to facilitate concentration of tractor ploughing work in various areas.
- (c) *Military Department.*—In regard to staff requirements e.g. recruitment of ex-military personnel suitable for employment, with or without preliminary training as tractor drivers, mechanics etc.

6. *Upper staff for planning and/or execution of the scheme*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
A. Class II-B.A.S. ..	1	1	..	..	..	2
B. Senior Technical Staff—						
Mechanical Assistants (130—10—250) ..	2	1	1	..	..	4

7. *Lower staff for planning and/or execution of the scheme*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
A. Senior Mechanics (90—4—130) ..	8	8	8	..	..	24
B. Junior Mechanics (30—2—40) ..	2	8	8	..	..	24
C. Clerical and office staff—						
(a) Senior clerks ..	1	1	..	..	..	2
(b) Junior clerks ..	2	1	1	..	..	4
(c) Peons ..	1	3	1	..	..	8

8. *How staff to be obtained.*—Some posts will be filled up by promotion within the existing cadres under the Agricultural Engineer and rest will be filled by direct recruitment of ex-soldiers from technical units e.g. engineers, mechanical transport etc. or labour released from war factories on cessation of hostilities can be usefully employed for this work with or without some training.

9. *Rough estimates of cost at existing rates for each year for the plan:—*

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
A. Capital ..	1,75,000	1,50,000	1,50,000	....	....	4,75,000
B. Recurring ..	84,000	1,62,000	2,36,000	2,38,000	2,41,000	9,61,000
	2,59,000	3,12,000	3,86,000	2,38,000	2,41,000	14,36,000

10. *To what extent is the Scheme productive and/or cost recoverable.*—A proportion of cost is recoverable dependent upon the charges levied by Government for tractor ploughing. It may be roughly estimated that 50 per cent. of recurring expenditure can be recovered from mechanical cultivation by charging fees.

11. *Nature of materials machinery etc., needed from—(a) Abroad.*—Crowler type diesel tractors with implements, spares and accessories (4 per annum for 1st three years or 12 sets in all).

(b) *Locally.*—Office furniture and other stores.

12. *Any other remarks or information.*—Details of the Scheme have not been finally approved by Government.

## SCHEME No. 81.

1. *Department.*—Agricultural.
2. *Scheme.*—Land Development and Improvement (Scarcity Areas).
3. *Brief description of scheme.*—Provides for the progressive and permanent improvement and development of agricultural, forest and waste lands in the districts of the Province most liable to famine and scarcity conditions by the extension of land development and improvement works designed to check soil erosion and to ensure that the fullest use is made of available rainfall in crop production. Such works include large scale contour bunding on units of complete water-sheds, gully plugging and, on forest and wastelands, contour trenching and re-afforestation. In addition, scientific methods of dry farming, based upon the successful results of experimental work carried out at the Dry Farming Research Stations at Sholapur and Bijapur will be introduced and extended over the contour banded cultivated areas within the Scheme. In short, the projects contemplated under the Scheme are designed to obtain more assured and better crop production by the adoption of anti-erosion measures and by the widespread extension of cultural and other methods designed to conserve soil moisture for crop use.

The programme of work under the Land Development Section of the Agricultural Department for 1944-45 sanctioned by Government includes provision for the reorganisation of that Section in order to carry out a programme of land development and improvement work over 5 lakh acres as under :—

Bijapur district	..	..	2 lakh acres.
Dharwar and Belgaum districts	..	..	1 lakh acres.
Sholapur district	..	..	1 lakh acres.
Poona, Ahmednagar and Satara districts	..	..	1 lakh acres.
Total			5 lakh acres.

Under the Scheme it is intended to intensify this work during the period 1944-45 to 1948-49 so as to increase the acreage under land development works to at least 10 lakh acres per annum by the end of that quinquennium and, in particular, to accelerate the introduction and extension of scientific dry farming methods of cultivation over the developed areas. In addition, the re-afforestation of waste and forest lands within land development projects will be speeded up and necessary measures taken for the protection and maintenance of such areas.

4. *Areas selected for application.*—Mainly the districts of Bijapur and eastern portions of Belgaum and Dharwar districts in the Southern Division and the districts of Poona, Ahmednagar, Sholapur and Satara in the Deccan (Central Division).

5. *Other Departments concerned.*—(a) *Revenue Department.*—For the selection of suitable areas in the districts mentioned above for the commencement of land development projects and for the preparation of revised records of rights, etc., on developed areas.

(b) *Co-operative Department.*—For the organisation of co-operative land development (or bunding) societies in developed project areas to undertake the maintenance and preservation of anti-erosion works and to assist in the introduction and extension of dry farming methods on the cultivable lands and the protection of young tree growth on forest and waste lands within a project area.

(c) *Forest Department.*—For assistance in the provision of supervisory staff and staff required for re-afforestation work and the protection of re-afforested areas.

6 and 7 staff for planning and/or execution of the scheme.—No distinction need be made between staff required for (a) preparation of plans and estimates and (b) execution of the Scheme.

The staff requirements given below are based upon a programme of land development as under :—

1st year	..	..	..	5 lakh acres.
2nd year	..	..	..	6 lakh acres.
3rd year	..	..	..	8 lakh acres.
4th year	..	..	..	9 lakh acres.
5th year	..	..	..	10 lakh acres.

With regard to the 1st year i.e. 5 lakh acres, it is anticipated that the staff sanctioned by Government will be adequate and it is expected that practically the whole of this sanctioned staff will be brought up to strength in the next financial year i.e. 1944-45 with the possible exception of the Forestry establishment i.e., 2 Sub-divisional officers, Forest Department, 10 Forest Rangers, 30 Foresters and 60 Forest Guards.

The *additional* staff which, it is estimated, will have to be recruited in the 2nd to 5th year of the scheme is shown below :—

		2nd year.	3rd year.	4th year.	5th year.	Total.
<b>A</b>						
<b>A.</b>	<i>Upper staff—</i>					
	<i>(a) Gazetted staff—</i>					
	(1) <i>Specialist or Class I</i> —(Rs. 300—20—420—30—660—40—900). Land Development Officers, etc. ..	1	2	..	..	3
	(2) <i>Class II</i> —(Rs. 170—10—250—15—400—20—500). Assistant Land Development Officer ..	1	2	1	1	5
	Survey Engineers ..	2	4	2	2	10
	Dry Farming Officers ..	4	8	4	4	20
	<i>(b) Non-gazetted staff—</i>					
	(1) <i>Graduates or diploma holders—</i>					
	Senior Surveyors (Rs. 160—10—260) ..	3	5	3	3	14
	Assistant Senior Surveyors (Rs. 110—8—150) ..	5	9	5	5	24
	Assistant Dry Farming Officers (Rs. 160—10—260) ..	5	9	5	5	24
	Sub-divisional officers, Finance Department (Rs. 235—15—400—20—500)	1	2	..	..	3
<b>B.</b>	<i>Lower staff—</i>					
	<i>(a) Non-graduate but trained—</i>					
	Junior Surveyors (Rs. 70—5—100) ..	16	30	16	16	78
	Dry Farming Assistants (Rs. 110—8—150 or 70—5—100) ..	28	56	28	28	140
	Bunding Sub-overscers (Rs. 50—5/2—100) ..	36	72	36	36	180
	<i>(b) Other technical staff—</i>					
	Khallasis (Rs. 15) ..	28	52	28	28	136
	Tracers (field) (Rs. 50—5/2—100) ..	10	20	10	10	50
	Dry Farming Kamgars (Rs. 50—5/2—100) ..	56	112	56	56	280
	Forest Rangers (Rs. 80—5—125—5—150) ..	4	8	4	4	20
	Foresters (Rs. 30—1—40—45—50—60) ..	18	34	18	18	88
	Forest Guards (Rs. 15—1/2—20—25) ..	36	68	36	36	176
	Malis (Rs. 20—1—40) ..	1	2	1	1	5
<b>C.</b>	<i>Clerical and office staff—</i>					
	Senior clerks (Rs. 90—5/2—115) ..	3	6	..	..	9
	Junior clerks (Rs. 25—5/2—55) ..	11	25	7	7	50
	Draughtsman (Rs. 80—5—130) ..	1	2	1	1	5
	Tracers (office) (Rs. 50—5/2—100) ..	10	18	6	6	40
	Peons (Rs. 14) ..	10	24	6	6	46

8. *How staff to be obtained.*—The additional gazetted staff required under the Scheme will be obtained (a) by promotion within the existing staff of the Land Development Section or (b) by direct recruitment of specially qualified candidates after advertisement. It is possible that some of these posts might be filled by ex-officers of the engineering branches of the military forces. The non-gazetted staff of graduates and/or diploma holders will require to be obtained by (a) promotion within existing cadres and (b) direct recruitment of graduates who have passed out well from the Agricultural or Engineering Colleges. Arrangements have been made to increase the number of students at these colleges. Possibly some of these posts also could be filled up from ex-military personnel after a short period of specialised training.

The non-graduate, but trained, staff will be mainly provided from (a) promotion with existing cadres and (b) students who complete successfully the courses of training for Bunding Sub-overseers now in progress at Bijapur. It is also proposed to start a Dry Farming Training centre, for the training of suitable candidates for posts of dry farming assistants. The other technical staff will have to be recruited in the areas in which work under the Scheme is in progress but, with regard to forest personnel, it is anticipated that a large number may be available at the end of hostilities on the reduction of the expanded Forest Department personnel. Arrangements are also being made to train forest staff. Ex-soldiers from field engineering units would be suitable for appointment as Khallasis, dry farming kamgars and foresters after short periods of training. The clerical and office staff can be procured to some extent by promotion in existing cadres within the Department but the majority will have to be recruited by advertisement. Peons may be available from demobilised military personnel and tracers from the Military Works Department on reduction of personnel after the end of the war.

9. *Rough estimate of cost at existing rates for each year of the first Five year-Plan:—*

1st year. 2nd year. 3rd year. 4th year. 5th year. Total.

<b>A. Capital—</b>						
(a) Cost of land development works based upon estimated expenditure of Rs. 12 per annum ..	60,00,000	72,00,000	96,00,000	1,08,00,000	1,20,00,000	4,56,00,000
(b) Tools, instruments, etc. ..	6,35,000	1,50,000	4,00,000	5,00,000	6,50,000	23,35,000
<b>B. Recurring—</b>						
(a) Pay of staff—						
1. Present sanctioned staff ..	7,00,000	8,00,000	8,50,000	9,00,000	9,50,000	42,00,000
2. Additional staff proposed in 2nd-4th year of Scheme ..	..	2,50,000	6,50,000	7,50,000	8,50,000	25,00,000
(b) Allowances of staff under (a) 1 and 2 above ..	3,00,000	4,00,000	6,00,000	7,50,000	8,50,000	29,00,000
(c) Contingent expenditure ..	50,000	75,000	1,20,000	1,20,000	1,20,000	4,85,000
(d) Training charges ..	60,000	60,000	60,000	60,000	60,000	3,00,000
<b>Total Capital*</b>	..	66,35,000	73,50,000	1,00,00,000	1,13,00,000	1,26,50,000
<b>Recurring</b>	..	11,10,000	15,85,000	22,80,000	25,80,000	28,30,000
<b>Grand Total</b>	..	77,45,000	89,35,000	1,22,80,000	1,38,80,000	5,83,20,000

\*The average cost per acre has been assumed to be Rs. 12 during 1944-45, of which Rs. 9 is to be recovered from the land owner over a period of 12 years. It must be emphasised however, that the cost per acre is dependant on a number of variable factors and is, therefore, liable to alter from year to year. Government may also vary the extent of subsidy to be given each year or indeed may consider whether any subsidy is necessary at all.

10. *To what extent is the Scheme productive and/or cost recoverable.*—As indicated above, 75 per cent. of the capital cost incurred in 1944-45 will be recovered from the land owners by instalments over a period of 12 years (free of interest). What proportion of the cost of succeeding years should be recovered will be decided hereafter.

The Scheme will be indirectly productive to a very considerable extent by ensuring the conservation of rainfall and by checking soil erosion in the "scarcity areas" of the Province. In addition, the Scheme provides for the extension of dry farming systems of cultivation on a scientific basis being introduced and extended over the developed areas. At a conservative estimate, the average increase of crop production per annum on the areas developed under the Scheme may be taken at 25 per cent.

11. *Nature of materials machinery, etc. needed from—*

(a) *abroad.*—Surveying instruments, levels, etc., office equipment, e.g. typewriters.

(b) *locally.*—Tools for digging etc. pawlas, pickaxes, etc. dry farming implements, building materials for gully plugging, corrugated iron, etc. Office furniture and training equipment.

12. *Any other remarks or information.*—This Scheme is proposed for a 5-year period of which the first year is 1944-45. Government have sanctioned a sum of Rs. 70 lakhs for land development work in the Province in 1944-45. No additional staff is proposed until the 2nd year of the Scheme as the present sanctioned staff is considered adequate for the programme of work contemplated in the 1st year i.e., 5 lakh acres in 1944-45.

## SCHEME No. 82.

1. *Department.*—Agricultural.
2. *Scheme.*—Land Development and Improvement (Heavy Rainfall Areas).
3. *Brief description of scheme.*—Provides for the progressive and permanent improvement and development of agricultural, forest and waste lands in the Konkan areas of the Province by land improvement measures e.g. contour bunding, trenching and/or terracing of hill slopes, combined with strip afforestation and gully plugging on hill sides and sloping areas in order to check the rapid run-off of rain-water and, as a result, to increase and prolong the water-holding capacity of the higher lands, prevent erosion and facilitate the conversion of lower (varkhas) lands for extended cultivation or, possibly, double cropping. The scheme also provides for the reclamation of land for crop cultivation in selected coastal tracts where such work is found to be practicable.

It will be noted that this type of work is at present in the experimental stage and future extension must depend upon the results obtained from the experimental work which it is proposed to carry out in Ratnagiri district in 1944-45. For the purposes of this Scheme, however, it is assumed that the results of the experimental work will be satisfactory and that future extension of the work will be carried on in succeeding years over a 5-year programme, the area under development being increased each year on the basis of the results obtained during the first year's experimentation. It is not possible at the present time, to form any accurate estimate of the acreage under development during each of the 5 years for which the Scheme is framed but provision is made for an additional Survey Party, with necessary contingent expenditure etc., being employed each year on Land development work in the high rainfall areas. A lump sum provision of Rs. 20 lakhs is provided for work in connection with the reclamation of coastal areas which forms part of the Scheme during the 5-year period over which it is phased.

4. *Areas selected for application.*—The Konkan tract of the Province and, in particular, the district of Ratnagiri. Reclamation of coastal areas will largely be done in Kolaba and Bombay Suburban Districts.

5. *Other Departments concerned—Revenue Department.*—In regard to the selection of suitable sites for (a) land development projects and (b) for areas in which work on the reclamation of coastal lands can be carried out. In addition, the assistance of the Revenue Department will be needed in connection with adjustments in existing land tenure systems to ensure that the actual cultivators of the areas under development secure the benefits of such work as may be carried out under the Scheme.

*Forest Department.*—For assistance in the provision of supervisory staff and staff required for afforestation work and for maintenance of reafforested areas.

6 and 7. *Staff for planning and/or execution of the scheme.*—No distinction need be made between staff required for (a) preparation of plans and estimates and (b) execution of Scheme.

In the first year of the Scheme provision has already been made for one "Survey Party" for land development work in the Konkan areas. The staff requirements indicated below provide for the addition of one more "Survey Party"\*\* for each year for which the Scheme is phased i.e. 5 years in all and, in addition, a separate "Survey Party" in the 2nd and 4th years for work on the reclamation of coastal

\*A "Survey Party" will consist of 1 Senior Surveyor.

1 Assistant Senior Surveyor.

3 Junior Surveyors.

4 Khalasis.

6 Bunding Overseers.

1 Tracer.

areas. The additional staff to be recruited in the 2nd to 4th year of the Scheme is shown below :—

	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
<b>A. Upper staff—</b>					
(a) <i>Gazetted staff</i> —					
1. Specialist or Class I (Rs. 300—20—420—30—660—40—900) Land Development Officer .. ..	1	..	..	..	1
2. <i>Class II</i> (Rs. 170—10—250—15—400—20—500), Assistant Land Development Officers .. ..	1	..	1	..	2
Survey Engineers .. ..	1	1	..	1	3
(b) <i>Non-gazetted staff</i> —					
Graduates or diploma holders. Senior Surveyors (Rs. 160—10—260) ..	2	1	2	1	6
Assistant Senior Surveyors (Rs. 110—8—150) .. ..	2	1	2	1	6
<b>B. Lower staff—</b>					
(a) Non-graduate but trained—					
1. Junior Surveyors (Rs. 70—5—100) ..	6	3	6	3	18
2. Bunding sub-overseers (Rs. 50—5/2—100) .. ..	12	6	12	6	36
(b) <i>Other technical staff</i> —					
1. Khalasis (Rs. 15) .. ..	8	4	8	4	24
2. Tracers (field) (Rs. 50—5/2—100) ..	2	1	2	1	6
3. Forest Rangers (Rs. 80—5—125—5—150) .. ..	1	..	1	..	2
4. Foresters (Rs. 30—1—40—45—50—60) .. ..	4	2	4	2	12
5. Forest Guards (Rs. 15—1/2—20—25)	8	4	8	4	24
<b>C. Clerical and office staff—</b>					
Senior clerks (Rs. 90—5/2—115) .. ..	1	..	1	..	2
Junior clerks (Rs. 25—5/2—55) .. ..	6	2	2	..	10
Draughtsman (Rs. 80—5—130) .. ..	1	..	1	..	2
Tracers (office) (Rs. 50—5/2—100) .. ..	2	1	2	1	6
Peons (Rs. 14) .. ..	8	2	2	2	14

8. *How staff to be obtained.*—The upper staff required will have to be provided in the main by promotions within the existing cadres of the Land Development Section of the Agricultural Department although it may be necessary to fill a percentage of posts by direct recruitment. The lower staff will mainly be filled by trainees from the Bunding Overseers' Training Courses and by direct recruitment. It is also proposed to start a Dry Farming Training centre to train staff and candidates in dry farming methods. It is anticipated that ex-soldiers, after training, can be utilised in several of the lower grade appointments e.g. bunding sub-overseers, Khallasis etc. Forest staff will have to be obtained from the Forest Department and clerical and office staff by direct recruitment. Ex-members of clerical establishments under the military will be suitable for such appointments. Arrangements are being made to train forest staff and increase the number of students at the Engineering College, Poona.

9. Rough estimates of cost at existing rates for each year of the first five-year plan.--

\*Estimates of cost of land development and coastal reclamation works are purely tentative pending the experience which is to be obtained during the experimental projects which are proposed to be undertaken in the 1st year i.e., 1944-45.

Provided for in proposals for expansion of Land Development Section submitted to Government under Director of Agriculture's letter No. S. 205, dated 9th October 1943 and included in Rs. 7,00,000 under "Staff" in Scheme No. 67 i.e., Land Development and Improvement (Scarcity Areas).

10. *To what extent is the scheme productive and/or cost recoverable.*—The total cost of the Scheme in the 1st year is to be borne by Government. Recoveries of capital cost in 2nd—5th year will depend upon the decision arrived at by Government regarding what part, if any, of cost of land development and/or reclamation works is to be recovered from the land owners or other benefitting from such works. It will not be possible to consider this matter until costs of land development and coastal land reclamation works are available on the basis of the 1st year's experimental projects.

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—Surveying instruments, levels, etc. office equipment, typewriters, etc.

(b) *Locally.*—Tools for digging etc. pawlas, pickaxes, etc., building materials corrugated iron, etc. Furniture and office equipment.

12. *Any other remarks or information.*—Proposals for the 1st year of the Scheme have already been received and sanctioned by Government.

The provision made for capital expenditure is purely tentative and will require to be revised in the light of the experience gained in the 1st year's experimental working under the Scheme.

## SCHEME No. 83.

1. *Department.—Co-operative.*
2. *Scheme.—Marketing Development work, viz., (1) Regulated Markets and (2) Co-operative Marketing.*
3. *Brief description of the scheme.—* The scheme visualises the establishment of a net work of regulated markets in the concentrated areas mentioned in Column 4 and formation of co-operative sale societies for every regulated market. It is proposed to organise about 32 such markets during the first 5 years of the post war period. A list of places where these markets are proposed to be established and the commodities to be regulated is appended hereto. The marketing machinery that is existing in this Province at present functions more in the interest of traders and middle-men than in the interest of primary producers. The regulation of this machinery is expected to enable the primary producers to realise better returns for their produce.

If the regulated markets are to function efficiently, it would be necessary to have in these markets, one—co-operative society working as commission agent on behalf of other societies in the interior or primary producers. The society will co-operate with the market committee in the introduction of the essential marketing reforms and it is desirable to have such an organisation to fall back in case the traders oppose any—measures for regulation of trades.

4. *Areas selected for application.—* Concentrated areas consisting of :—
  - (i) SATARA—All talukas.
  - (ii) POONA—Indapur taluka and Dhond and Sirur petas.
  - (iii) SHOLAPUR—Karmala, Sangola, Malsiras and Pandharpur talukas.
  - (iv) AHMEDNAGAR—Newasa, Kopergaon, Rahuri, Ahmednagar, Parner and Shrigonda talukas and Karjat peta.
  - (v) KOLABA—Mahad, Mangaon and Roha talukas.
  - (vi) RATNAGIRI—All talukas except Vengurla peta.
  - (vii) BELGAUM—All talukas.  
Bijapur and Surat districts.
5. *Other Departments to be consulted.—* The Agricultural and the Public Works Departments.
6. *Upper staff for planning and/or execution of the scheme.—* 10 Marketing Inspectors (3 in the grade of Rs. 160—10—260 and 7 in the grade of Rs. 100—110—8—150)—
  - 10 Clerks (Rs. 25—5/2—55).
  - 32 Secretaries (Rs. 80—5—100) for market committees.
  - 32 Managers (Rs. 75—5—100) for co-operative sale societies.
7. *Lower staff for planning and/or execution of the scheme.—*
  - 40 Drivers (Rs. 30 per mensem).
  - 32 Watchmen (Rs. 14 per mensem).
  - 10 Peons (Rs. 14 per mensem).
8. *How staff to be obtained.—* Generally from the ex-military employees to be trained by the Chief Marketing Officer with the assistance of the Assistant Marketing Officers ; On reversion from the Supply Department, about half the number would be available for appointment as Marketing Inspectors.

9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan.*—

		1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) Capital (for purchase of lorries)	..	Rs. 25,000	Rs. 31,250	Rs. 31,250	Rs. 25,000	Rs. ..	Rs. 1,12,500
(b) Recurring	..	Rs. 1,02,876	Rs. 56,364	Rs. 51,756	Rs. 34,644	Rs. 36,276	Rs. 2,81,916
	Total	Rs. 1,27,876	Rs. 87,614	Rs. 83,006	Rs. 59,644	Rs. 36,276	Rs. 3,94,416

10. *To what extent is the scheme productive and/or cost recoverable.*—Non-productive. Cost not recoverable.

11. *Nature of materials, machinery, etc. needed from.—*

- (a) *Abroad.*—40 lorries, refrigerators, plants, etc.
- (b) *Locally.*—

12. *Any other remarks or information.*—The existing staff which consists of 10 Marketing Inspectors will have to be increased so as to enable them to cope with the increase of work in the districts. The Divisional Deputy Registrars, who have been separately proposed, will also have to be delegated with powers under the Agricultural Produce Markets Act and provided with a Marketing Inspector each to assist them.

It is noticed that in the absence of trained secretaries, the Market Committees do not function properly. Provision is, therefore, made for the secretarial staff of the market committee. In the first year of appointment, the entire cost of these secretaries may be borne by Government and in the next two years, Government may agree to bear 25 per cent. of the cost.

The Market Committees will also require watchmen who could be recruited from amongst the demobilised soldiers. It is proposed that the salaries of these watchmen should be Rs. 14 per mensem each, and that Government may bear the entire cost for the first year and  $\frac{1}{4}$ th of this cost for the next two years.

Efficient functioning of the market committees would necessitate construction of godowns at the rate of 3 to 4 godowns for each market committee. It is estimated that about 90 godowns will be required for the 32 market committees to be established in the concentrated areas. The cost of each godown will, on average, be Rs. 5,000. A sum of Rs. 4,50,000 will, therefore, be required for construction of godowns. The entire amount will have to be provided by Government by way of loans to the market committees at a rate not exceeding 4 per cent. per annum. The loans may be made payable in 20 annual instalments.

The proposed sale societies or purchase and sale unions will have to be provided with a Manager each. The Managers could be recruited from the Purchase or Accounts Section of the Military Establishment. The sale of pay for a Manager should be Rs. 75—5—100. It is proposed that the entire cost in the first year of appointment may be borne by Government and that in the second or third year, only  $\frac{1}{4}$ th cost should be borne by Government. Some of the co-operative societies collecting vegetables for sale would require lorries in order to do their work efficiently. Assuming that 40 lorries will be required by the societies, it may be possible to absorb 40 men who may be ex-military drivers. It is proposed that Government may bear 50 per cent. of the cost of these drivers for a period of two years and supply lorries gratis.

## List of markets to be regulated in the concentrated areas after the war.

District.	Name of markets to be regulated.	Commodities to be regulated.	Number of godowns required for every market.	
			1	2
KOLHAPUR	1. Malad	Paddy and rice .. ..	..	2
SHOLAPUR	1. Kuduwadi	Jawar and cotton .. ..	..	2
	2. Pandharpur	Jawar, cotton, groundnut and safflower.	..	3
	3. Karmala	Jowar and cotton .. ..	..	2
	4. Sangola	Bajri and eggs .. ..	..	2
	5. Akkuj	Jowar and gul .. ..	..	2
SATARA	1. Karad and Umbraj (already regulated).	Groundnut, gul, turmeric and coriander.	..	4
	2. Mhaswad	Cattle hides and skins .. ..	..	2
	3. Takari	Groundnut, gul and turmeric. .. ..	..	2
	4. Lonand	Onions and jowar .. ..	..	2
	5. Koregaon	Jowar .. ..	..	2
AHMEDNAGAR	1. Ahmednagar	Jowar, Bajri and wheat .. ..	..	4
	2. Kopergaon	Gul, gram and wheat .. ..	..	5
	3. Belapur	Gul and mosambis .. ..	..	4
	4. Rahuri	Jowar and mosambis .. ..	..	2
	5. Wambori	Cotton, Bajri, jowar, wheat and gram. .. ..	..	3
BELGAUM	1. Nipani	Tobacco and gul .. ..	..	5
	2. Sankeshwar	Gul and chillies .. ..	..	2
	3. Baillongal (already regulated).	Cotton and groundnut .. ..	..	3
	4. Athani	Cotton, jowar and groundnut .. ..	..	3
	5. Chandgad	Paddy .. ..	..	2
	6. Gokak	Cotton, jowar, groundnut and gul. .. ..	..	2
	7. Belgaum	Vegetables .. ..	..	1
BIJAPUR	1. Bijapur and Indi (already regulated).	Cotton, groundnut, jowar, safflower, wheat and linseed. .. ..	..	5
	2. Bagalkot and Badami	Cotton, groundnut, jowar and wheat. .. ..	..	5
SURAT	1. Surat	Cotton, vegetables, sheeps and goats, pulses and castor seed. .. ..	..	4
	2. Eerdoli	Cotton and jowar .. ..	..	2
	3. Dabur	Paddy rice and gul .. ..	..	2
	4. Chulbhar	Rice .. ..	..	2
	5. Olpad	Wheat and jowar .. ..	..	2
POLNA	1. Indipur	Jowar and gul .. ..	..	2
	2. Dhad	Jowar .. ..	..	2
	3. Shirur	Do. .. ..	..	2

## SCHEME No. 84.

1. *Department.*—Co-operative.

2. *Scheme.*—Societies for consolidation of holdings.

3. *Brief description of scheme.*—The scattered nature of agricultural holdings is great handicap in effecting agricultural improvements and is one of the major causes for the deficit economy of the bulk of the agriculturists. The need for consolidation has been recognized on all hands but the problem is complicated on account of Hindu and Mohamedan Laws of Inheritance and the sentimental attachment of the cultivator to his inherited units of lands.

Considerable amount of spade work and propaganda would, therefore, be necessary before the agriculturists' minds are prepared to respond to any scheme of consolidation, and even then the success of the scheme cannot be guaranteed. The scheme, however, even if partially successful, will have educative value and may prepare the ground for later legislative action.

The scheme visualises the organisation of co-operative societies for consolidation of holdings in the concentrated areas mentioned in Column 4. To start with, attempts will be made to organise societies in certain selected talukas out of concentrated areas, particularly in areas, where the co-operative movement has taken a firm root. At the outset it would be necessary to train the higher staff for consolidation work and post them in the concentrated areas for carrying on preliminary surveys. Once the preliminary survey is over, attempts would be made to organise 50 societies in the first year after the war, 100 in the second year and 200 in the third. The target for 15 years is 1,000 societies.

4. *Areas selected for application.*—Concentrated areas consisting of—

(i) SATARA—All talukas.

(ii) POONA—Indapur taluka and Dhond and Sirur Petas.

(iii) SHOLAPUR—Karmala, Sangola, Malsiras and Pandharpur talukas.

(iv) AHMEDNAGAR—Newasa, Kopergaon, Rahuri, Ahmednagar, Parner and Shrigonda talukas and Karjat Peta.

(v) KOLABA—Mahad, Mangaon and Roha talukas.

(vi) RATNAGIRI—All talukas except Vengurla Peta.

(vii) BELGAUM, BIJAPUR AND SURAT DISTRICTS.—All talukas.

5. *Other departments to be consulted.*—Department of Agriculture, Land Records and Revenue.

6. *Upper staff for planning and/or execution of scheme.*—One Assistant Registrar in Class II service in the scale of Rs. 235—500.

7. *Lower staff for planning and/or execution of scheme.*—6 District Co-operative Officers, 3 in the grade of Rs. 135—5—180 and 3 in the grade of Rs. 95—5—130. 50 Assistant District Co-operative Officers in the grade of Rs. 35—5/2—60.

8. *How staff to be obtained.*—As regards Assistant Registrar, there should be no recruitment from outside. The officer selected should be from the Revenue Department or Land Records Department or promoted from the rank of the Co-operative Department.

As regards District Co-operative Officers, it would be possible to recruit half the number from the existing staff of the Department and the remaining may have to be recruited from the Land Records Department or from the ranks of Avals Karkuns in the Revenue Department.

As regards Assistant District Co-operative Officers, they will have to be senior Talatis, if available, from the Revenue Department. Suitable ex-soldiers could also be recruited and trained.

9. *Rough estimates of cost at existing rates for each year of the first five-year plan.—*

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital ..	.. 4,000	..	..	..	..	4,000
(b) Recurring ..	.. 79,540	80,080	83,620	84,160	87,880	4,15,280
Total ..	83,540	80,080	83,620	84,160	87,880	4,19,280

10. *To what extent is the scheme productive and/or cost recoverable.—* The scheme should increase the productivity of land, and later it may be possible to recover part of the expenditure by levy of contributions from the land holders.

11. *Nature of materials, machinery, etc., needed from—*

- (a) abroad.—
- (b) locally.—

12. *Any other remarks or information.—* The societies would also require financial assistance by way of grants on the lines of grants to better farming societies for implements, seed, etc. It would be useful if taluka demonstration centres are opened in the centres selected for consolidation of holdings or these villages given priority for introducing model projects or making them model villages.

The staff proposed would require thorough training. Apart from training in the province, the Assistant Registrar and District Co-operative Officers will have to be given training for 4 months—2 months in the Punjab, where the emphasis will be on the co-operative organisations and for another two months in C.P., where the District Co-operative Officers should be able to study the system of keeping accounts and maintenance of registers in Marathi.

The staff consisting of District Co-operative Officers will have to be placed for duty for survey work for one year before attempts could be made to organise the societies.

The details of the scheme have not yet been approved by Government.

## SCHEME No. 85.

1. *Department.*—Civil Veterinary.
2. *Scheme.*—Maintenance of Veterinary dispensaries in the concentrated areas.
3. *Brief description of the scheme.*—The Royal Commission on Agriculture in India estimated that if contagious diseases of cattle are to be properly controlled, there should be one Veterinary Assistant Surgeon for every 25,000 head of cattle. Such huge expansion of the Veterinary Department is not yet possible for several reasons. For the present it is proposed to provide one Veterinary dispensary in each taluka and peta where there is none and to open one dispensary for every 25,000 head of cattle in the areas selected for concentrated efforts. Accordingly in the first year of the scheme 18 dispensaries will be opened in the concentrated areas, 28 will be opened in the rest of the Province in the second year and 83 more dispensaries will be opened in the concentrated areas during the last 3 years.
4. *Areas selected for application.*—Concentrated areas mainly.
5. *Other Departments concerned.*—....
6. *Upper staff for planning and/or execution of the scheme.*—See Scheme No. 29.
7. *Lower staff for planning and/or execution of the scheme.*—
  - 129 Veterinary Assistant Surgeons.
  - 387 Dressers and attendants.
8. *How staff to be obtained.*—
  - Veterinary Assistant Surgeons*—By recruitment from graduates of the Bombay Veterinary College and from veterinarians released from Army.
  - Dressers and attendants*—Both by recruitment locally and from amongst the demobilised soldiers.
9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan.*—

		1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	25,200	39,200	39,200	39,200	38,800	1,81,600
(b) Recurring	..	45,792	1,01,184	1,76,856	2,72,208	3,48,636	9,44,676
	Total	..	70,992	1,40,384	2,16,056	3,11,408	3,87,436
							11,26,276

10. *To what extent is the scheme productive and/or cost recoverable.*—Non-productive.
11. *Nature of material, machinery, etc., needed from—*
  - (a) *abroad*—....
  - (b) *locally*—Medicines, instruments, etc.
12. *Any other remarks or information.*—....

## SCHEME No. 86.

1. *Department*.—Civil Veterinary.
2. *Scheme*.—Conversion of certain number of Veterinary Dispensaries to itinerating Veterinary Dispensaries.
3. *Brief description of the scheme*.—A stationary dispensary serves a very limited area and in cases of emergency the staff cannot be transferred easily from one district to another, nor is the reserve force sufficient to form a mobile corps for disease control. It is proposed that at least 50 per cent. of the dispensaries be converted to itinerating institutions, the Veterinary Assistant Surgeons being provided with a motor cycle and side car fitted up with necessary drugs and appliances. There will be 100 mobile dispensaries at the end of the first five-year plan.
4. *Areas selected for application*.—The whole Province.
5. *Other Departments to be consulted*.— . . .
6. *Upper staff for planning and/or execution of the scheme*.— . . .
7. *Lower staff for planning and/or execution of the scheme*.— . . .
8. *How staff to be obtained*.— . . .
9. *Rough estimate of cost at existing rates for each year of the first five-year plan*.—

		1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	..	24,000	24,000	24,000	24,000	24,000 1,20,000
(b) Recurring	..	..	15,200	30,640	46,320	62,240	78,400 2,32,800
	Total	..	39,200	54,640	70,320	86,240	1,02,400 3,52,800

10. *To what extent is the scheme productive and/or cost recoverable*.—Non-productive.
11. *Nature of materials, machinery, etc., needed from*—
  - (a) *abroad*—One hundred motor cycles and box side cars.
  - (b) *locally*— . . .
12. *Any other remarks or information*.—

## SCHEME No. 87.

1. *Department.*—Civil Veterinary.

2. *Scheme.*—Extension of dipping operations.

3. *Brief description of the scheme.*—Ticks are a menace to cattle improvement in large tracts of the Province especially the western region and also cause damage to the hides. Regular dipping has effected considerable improvement in the dipping stock and it is proposed to extend the work by the provision of more dipping tanks in Maval and Konkan areas. It has been decided that 5 be opened each year over a period of 5 years.

4. *Areas selected for application.*—Maval area, the Ratnagiri district and Mahad, Mangaon and Roha talukas of the Kolaba district.

5. *Other Departments concerned.*— . . . . .

6. *Upper staff for planning and/or execution of the scheme.*— . . . . .

7. *Lower staff for planning and/or execution of the scheme.*—

Veterinary Assistant Surgeons attached to the nearest veterinary dispensaries will be placed in charge of these tanks and will be given special pay at Rs. 10 per mensem for each tank.

25 Attendants on a pay of Rs. 10 per mensem each.

8. *How staff to be obtained.*—By recruitment.

9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	5,000	5,000	5,000	5,000	25,000
(b) Recurring	..	3,000	6,000	9,000	12,000	45,000
Total	..	8,000	11,000	14,000	17,000	70,000

10. *To what extent is the scheme productive and/or cost recoverable.*—Non-productive.

11. *Nature of material, machinery, etc., needed from—*

(a) abroad—Dipping solution.

(b) locally— . . . . .

12. *Any other remarks or information.*—

## SCHEME No. 88

1. *Department.*—Forest.

2. *Scheme.*—Improvement of denuded areas.

3. *Brief description of the scheme.*—Improvement of denuded and eroded areas, Forest proper. Forests in charge of Revenue Department to be returned to Forest Department and possibly some afforestation of waste lands.

4. *Areas selected for application.*—(i) Satara, (ii) Poona (Indapur taluka and Dhond and Shirur pethas); (iii) Sholapur (Karmala, Sangola, Malsiras and Pandharpur Talukas); (iv) Ahmednagar (Newasa, Kopargaon, Rahuri, Ahmednagar Parner and Shrigonda talukas and Karjat peta); (v) Kolaba (Mahad, Mangaon and Roha talukas except Vengurla Peta); (vi) Belgaum, Bijapur and Surat district.

5. *Other Departments concerned.*—Agricultural Branch (Land Development Section).

6. *Upper Staff.*—

### *Gazetted Staff.*

1 Divisional Forest Officer, Ahmednagar, on Rs. 300—20—420—E.B.—30—660—E.B.—40—900 *plus* P.T.A. of Rs. 160 per mensem.

1 Divisional Forest Officer, Ratnagiri, on Rs. 300—20—420—E.B.—30—660—E.B.—40—900 *plus* P.T.A. of Rs. 160 per mensem.

1 Assistant to the Divisional Forest Officer, Poona, on Rs. 235—15—40—20—500 *plus* P.T.A. of Rs. 75 per mensem.

1 Assistant to the Divisional Forest Officer, Satara, on Rs. 235—15—400—20—500 *plus* P.T.A. of Rs. 75 per mensem.

1 Assistant to the Divisional Forest Officer, East Nasik, on Rs. 235—15—400—20—500 *plus* P.T.A. of Rs. 75 per mensem.

7. *Lower Staff.*—

### AHMEDNAGAR DIVISION.

1 Head Clerk on Rs. 95—5—125—E.B.—135—5—160.

1 Clerk on Rs. 60—5/2—75.

2 Clerks on Rs. 25—5/2—55 each.

6 Rangers on Rs. 80—5—125—E.B.—5—150 each *plus* P.T.A. of Rs. 30 each.

6 Foresters on Rs. 30—1—40 each.

5 Forest guards on Rs. 25 each.

25 Forest guards on Rs. 15— $\frac{1}{2}$ —20 each.

### *Inferior Staff.*

1 Naik on Rs. 17..

1 Peon on Rs. 15..

3 Peons on Rs. 14 each.

## KATNAGIRI DIVISION.

- 1 Head Clerk on Rs. 95—5—125—E.B.—135—160.
- 1 Clerk on Rs. 60—5/2—75.
- 2 Clerks on Rs. 25—5/2—55 each.
- 6 Rangers on Rs. 80—5—125—E.B.—5—150 each *plus* P.T.A. of Rs. 30 each.
- 6 Foresters on Rs. 30—1—40 each.
- 5 Forest Guards on Rs. 25 each.
- 25 Forest guards on Rs. 15—1—20 each.

*Inferior staff.*

- 1 Naik on Rs. 17.
- 1 Peon on Rs. 15.
- 3 Peon on Rs. 14 each.

## POONA DIVISION.

*Protective staff.*

- 2 Rangers on Rs. 80—5—125—E.B.—5—150 *plus* P.T.A. of Rs. 30 per mensem each.

*Inferior staff.*

- 2 Peons on Rs. 17 per mensem each.

## SATARA DIVISION.

*Protective Establishment.*

- 2 Rangers on Rs. 80—5—125—E.B.—5—150 *plus* P.T.A. of Rs. 30 per mensem each.

*Inferior staff.*

- 2 Peons on Rs. 14 per mensem each.

## EAST NASIK DIVISION.

*Protective Staff.*

- 2 Rangers on Rs. 80—5—125—5—150 *plus* P.T.A. of Rs. 30 per mensem each.

*Inferior Staff.*

- 2 Peons on Rs. 14 per mensem each.

8. *How staff to be obtained.*—From extra appointments made for war supply work available as soon as war supply is over or curtailed but it will be necessary to make further recruitment to fill up vacancies in Bombay Forest Service-Class II caused by retirement during the next 5 years by (a) promotion of selected rangers and (b) by direct recruitment for training at Dehra Dun. A limited number of war vacancies is likely to be available in the lower staff say 4 for appointment in the clerical grades, 7 in the peons' grade and 39 in the protective line.

9. *Rough estimates of cost at existing rates for each year of the first Five-Year Plan.—*

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	4,49,240	4,49,240	4,49,240	4,49,240	22,46,200
(b) Recurring (Average)	95,500	95,500	95,500	95,500	95,500	4,77,500
						27,23,700

10. *To what extent is the scheme productive or cost recoverable.—* The actual financial return from timber and fuel will be very small. The direct benefits will be from improved grass and grazing, but the greatest return will be indirect and will be obtained from the improved agricultural conditions over the country side as a whole.

11. *Nature of material machinery needed, etc., from—*

- (a) *Abroad*.—Nil.
- (b) *Locally*.—Nil.

12. *Any other remarks or information.—* Nil.

## SCHEME No. 89.

1. *Department*.—Medical.
2. *Scheme*.—Conversion of dispensaries into cottage hospitals.
3. *Brief description of the scheme*.—With a view to improving medical facilities in rural areas, it is proposed to convert 33 dispensaries into cottage hospitals so that with the existing five such cottage hospitals there will be at least two cottage hospitals in each of the 19 districts of the Provinces. The cottage hospitals will provide a co-ordinating link between Subsidised Medical Practitioners on one hand and district headquarters hospitals on the other. The number of cottage hospitals to be opened in 'concentrated areas' is 16-4 in the 1st year, 3 in each of the four subsequent years of the 1st five years of the fifteen years' programme.
4. *Areas selected for application*.—Concentrated areas.
5. *Other Departments concerned*.—
6. *Upper staff for planning and/or execution of the scheme*.—16 Bombay Medical Service Class II Officers on Rs. 200—40—3—400 (Probationers Rs. 150 for the 1st year and 180 for the 2nd year) *plus* H. R. A. at Rs. 25 per mensem.
- 16 Subordinate Medical Service Officers on Rs. 60—5—170.
- 32 Nurses in the scale of Rs. 30—3—39 *plus* Rs. 15 per mensem Ration allowance and Rs. 2/8 per mensem uniform allowance.
- 32 Compounders at Rs. 25—5/2—70.
7. *Lower staff for planning and/or execution of the scheme*.—64 ward servants on Rs. 15 per mensem each.
- 32 sweepers on Rs. 15 per mensem each.
- 16 cooks on Rs. 15 per mensem each.
8. *How staff to be obtained*.—To be recruited from outside sources by advertisement, preference being given to those who have served in the Military Department.
9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan*.—

	1st year	2nd year	3rd year	4th year	5th year	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital .....	4,20,000	3,15,000	3,15,000	3,15,000	3,15,000	16,80,000
(b) Recurring .....	31,600	55,300	79,000	1,02,700	1,26,400	3,95,000*
Total ..	4,51,600	3,70,300	3,94,000	4,17,700	4,41,400	20,75,000

For each cottage hospital, buildings required are estimated to cost Rs. 1,00,000 and equipment at Rs. 5,000.

\*This is exclusive of the expenditure incurred on dispensaries at present *vide* remark below.

10. *To what extent is the scheme productive and/or cost recoverable*—
11. *Nature of material, machinery, etc., needed from*—
  - (a) *Abroad*.—
  - (b) *Locally*.—The hospital equipment will be obtained as far as possible from the military Hospitals after the war
12. *Any other remarks or information*.—The dispensaries of local bodies are to be selected for conversion into cottage hospitals, but the cottage hospitals will be entirely controlled by Government and for that purpose an amount equal to the expenditure incurred at present on the dispensaries concerned by the local bodies will be recovered from them.

## SCHEME No. 90.

1. *Department*.—Medical.
2. *Scheme*.—Subsidised Medical Practitioners.
3. *Brief description of the scheme*.—In order to improve the medical facilities in rural areas, Government has already sanctioned the opening of 330 Subsidised Medical Practitioners' Centres. The system has worked so well that it is proposed to open 47 such centres in concentrated areas (33 Allopathic and 14 Ayurvedic and Unani) when more doctors become available after the war.
4. *Areas selected for application*.—Concentrated areas.
5. *Other Departments concerned*.— . . .
6. *Upper staff for planning and/or execution of the scheme*.—

## (A) 33 Allopathic Practitioners—

expenditure per centre—	Rs.
(i) Honorarium ..	75 per mensem.
(ii) Travelling allowance (fixed) ..	25 per mensem.
(iii) Grant for Medicine and instruments ..	450 per annum.
(iv) Contingencies ..	5 per mensem.
(v) Rent for each dispensary ..	180 per annum.

## (B) 14 Ayurvedic and Unani Practitioners—

(i) Honorarium ..	50 per mensem.
(ii) Travelling allowance (fixed) ..	15 per mensem.
(iii) Grant for Medicines ..	250 per annum.
(iv) Contingencies ..	5 per mensem.
(v) Rent for each Dispensary ..	180 per annum.

7. *Lower staff for planning and/or execution of the scheme*.— . . .

8. *How staff to be obtained*.—In the recruitment of the personnel required for the proposed allopathic centres, preference will be given to those who have served in the Military Department.

9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan*.—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital .. .. .... .... .... .... ....						
(b) Recurring .. .. 17,010 34,080 51,120 66,270 80,150 2,48,660						
Total ..	17,010	34,080	51,120	66,270	80,150	2,48,660

10. To what extent is the scheme productive and/or cost recoverable.—

11. Nature of material, machinery, etc., needed from—

(a) Abroad— .....

(b) Locally— .....

12. Any other remarks or information.—The scheme will be spread over the first five years of the Post-war Reconstruction Programme as shown below:—

			Allopathic.	Ayurvedic and Unani.
1st year	..	..	7	3
2nd year	..	..	7	3
3rd year	..	..	7	3
4th year	..	..	6	3
5th year	..	..	6	2

## SCHEME No. 91.

1. *Department.*—Medical.
2. *Scheme.*—Appointment of Nurse-midwives.
3. *Brief description of the scheme.*—The need for trained nursing and skilled assistance for midwifery cases, especially in rural areas, is universally recognised. With a view to meet this need, it is proposed to appoint 24 more nurse-midwives in rural areas. The appointments are to be spread over a period of five years as follows:—
 

1st year	..	..	..	..	5 Nurses.
2nd year	..	..	..	..	5 Nurses.
3rd year	..	..	..	..	5 Nurses.
4th year	..	..	..	..	5 Nurses.
5th year	..	..	..	..	4 Nurses.
4. *Areas selected for application.*—Concentrated areas.
5. *Other Departments concerned.*—....
6. *Upper staff for planning and/or execution of the scheme.*—24 Nurse-midwives on a pay of Rs. 40 plus house-rent allowance at Rs. 10 per mensem each.
7. *Lower staff for planning and/or execution of the scheme.*—....
8. *How staff to be obtained.*—To be recruited by candidates selected after advertisement, preference being given to those who have served in the Military Department.
9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan.*—

		1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	..	....	....	....	....	....
(b) Recurring	..	..	3,000	6,000	9,000	12,000	14,400
	Total	..	3,000	6,000	9,000	12,000	44,400

\* *Vide* remark made below.

10. *To what extent is the scheme productive and/or cost recoverable.*—....
11. *Nature of material, machinery, etc., needed from—*
  - (a) *Abroad*—....
  - (b) *Locally*—....
12. *Any other remarks or information.*—The scheme is to be carried out during the second period of five years of the Post-war Reconstruction Programme, as all the posts of nurse-midwives sanctioned under the existing scheme are not yet been filled owing to scarcity of nurses.

## SCHEME No. 92.

1. *Department*.—Public Health.
2. *Scheme*.—Improved sanitation and drainage in bigger towns and villages.
3. *Brief description of the scheme*.—Details of the scheme have not been settled.
4. *Areas selected for application*.—
  - (1) Satara—All talukas.
  - (2) Poona—Indapur taluka and Dhond and Sirur petas.
  - (3) Sholapur—Karmala, Sangola, Malsiras and Pandharpur talukas.
  - (4) Ahmednagar—Newasa, Kopergaon, Rahuri, Ahmednagar, Parner and Shrigonda talukas and Karjat peta.
  - (5) Kolaba—Mahad, Mangaon and Roha talukas.
  - (6) Ratnagiri—All talukas except Vengurla peta.
  - (7) Belgaum, Bijapur and Surat Districts—All talukas.
5. *Other Departments concerned*.—Public Works Department.
6. *Upper staff for planning and/or execution of the scheme*.—Some considerable staff will be required for planning and execution but without the extent of the scheme having been settled, no estimate can be given.
7. *Lower staff for planning and/or execution of the scheme*.—Vide reply to above.
8. *How staff to be obtained*.—Vide reply to 6 above.
9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan*.—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
a) Capital						
b) Recurring						
Total						

{ In view of reply to (3) above no idea can be given about rough estimate.

10. *To what extent is the scheme productive and/or cost recoverable*.—No information available.
11. *Nature of material, machinery, etc., needed from*—
  - (a) *Abroad*.—No information available.
  - (b) *Locally*.—Do.
12. *Any other remarks or information*.—No information available.

## SCHEME No. 93.

1. *Department*.—Public Health.
2. *Scheme*.—Improved Village Water Supply.
3. *Brief description of the scheme*.—It is proposed to improve village water supply in certain selected areas by digging more wells, improvement of tanks etc. where there is shortage of water.
4. *Areas selected for application*.—
  - (1) *Satara*—All talukas.
  - (2) *Poona*—Indapur taluka and Dhond and Sirur petas.
  - (3) *Sholapur*—Karmala, Sangola, Malsiras and Pandharpur talukas.
  - (4) *Ahmednagar*—Newasa, Kopergaon, Rahuri, Ahmednagar, Parner and Shrigonda talukas and Karjat Peta.
  - (5) *Kolaba*—Mahad, Mangaon and Roha talukas.
  - (6) *Ratnagiri*—All talukas except Vengurla Peta.
  - (7) *Belgaum, Bijapur and Surat Districts*.—All talukas.
5. *Other Departments concerned*.—Public Works Department and Revenue Department so far as action relating to acquirement of sites for wells etc. is concerned.
6. *Upper staff for planning and/or execution of the scheme*.—Public Works Department Overseers and other staff will be required. But since the proposals submitted by the Commissioners are not complete estimates cannot be given. But some work can be done by the local Public Works Department staff and/or the District Local Board Staff.
7. *Lower staff for planning and/or execution of the scheme*.—Public Works Department Overseers and other staff will be required. But since the proposals submitted by the Commissioners are not complete estimates cannot be given. But some work can be done by the local Public Works Department staff and/or the District Local Board staff.
8. *How staff to be obtained*.—By qualified engineering staff released by the military or by local recruitment if ordinary Public Works Department staff is unable to cope with the work.
9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan*.—
 

	(a) Capital (Non-recurring.)	(b) Recurring	Total.
	Rs.	Rs.	Rs.
1st year	..	..	10 lakhs
2nd year	..	..	10 lakhs
3rd year	..	..	10 lakhs
4th year	..	..	10 lakhs
5th year	..	..	10 lakhs
Total	..	50,00,000	
- Note*.—Full details have yet to be worked out. However estimates of projects costing about Rs. 67 lakhs were prepared. Some projects have been executed. Estimate will require revision. But roughly a sum of Rs. 50,00,000 may be necessary during a period of 5 years. Priority will be given to the projects in the concentrated areas.
10. *To what extent is the scheme productive and/or cost recoverable*.—The scheme will be of immense benefit to villagers.
11. *Nature of material, machinery, etc., needed from*—
  - (a) *Abroad*.—Nil.
  - (b) *Locally*.—Bricks, lime, cement etc. required for wells etc.
12. *Any other remarks or information*.—Nil.

## SCHEME No. 94.

1. *Department.*—Public Health.

2. *Scheme.*—Child Welfare and Maternity Centres.

3. *Brief description of the scheme.*—The proposal deals with creation of Centres for carrying out work in connection with Maternity and Child Welfare in the Districts where District Health Officers are functioning at present or will be appointed. A Lady Assistant Director of Public Health is proposed to be appointed who will supervise the work of all Centres, each Centre being under a Woman Medical Officer under the control of the District Health Officer. Four Health Visitors and Eight Midwives will be appointed under the Woman Medical Officer in charge of the Centre. The Health Visitors and Midwives will have woman peons recruited from untrained Dais. The Medical Officer will supervise the work of Health Visitors and Midwives. For the purposes of direction there will be one Assistant Director of Public Health for all the Centres. The Health Visitors will check up ante-natal registration; provide instruction to expectant and nursing mothers, arrange for clinics on this behalf, supervise the work of the midwife in respect of her natal and post-natal work, arrange for the examination of expectant mothers, infants and pre-school children and give suitable advice as regards their health to the mother.

4. *Areas selected for application.*—There will be one Centre in each district with a group of villages comprising 30,000 to 40,000 population.

5. *Other Departments concerned.*—Nil.

6. *Upper staff for planning and/or execution of the scheme.*—(a) (i) No staff is required for planning.

(ii) *For execution*—One Woman Assistant Director of Public Health, with D.P.H. qualification, in the scale of Rs. 400—30—700—35—1,050. 10 Women Medical Officers (M.B.B.S. or L.C.P.S.) in the scale of Rs. 150—10—250 for the districts of Bijapur Sholapur, Surat, Ahmedabad, East Khandesh, West Khandesh, Nasik, Ahmednagar, Satara and Dharwar, where District Health Officers are already functioning or will be appointed.

7. *Lower staff for planning and/or execution of the scheme.*—(a) No staff is required for planning.

(b) *For execution the following staff will be required* :—40 Health Visitors in the scale of Rs. 60—10/2—150 each and 80 midwives in the scale of 50—5—70 each, for the 10 Centres, two clerks for the Lady Assistant Director of Public Health, one at Rs. 60 per mensem and the other at Rs. 30 per mensem in the scales of 60—5/2—75 and Rs. 25—5/2—55, respectively.

120 Woman peons for the Health Visitors and Midwives at Rs. 15 per mensem each.

2 peons for Lady Assistant Director of Public Health at Rs. 17 per mensem each.

8. *How staff to be obtained.*—

(a) *Upper staff.*—By advertisement or by selection of suitable candidates from the Medical or Military Department.

(b) *Lower staff.*—By advertisement or by selection of suitable candidates from Returned soldiers.

9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan.—*

	1st year	2nd year	3rd year	4th year	5th year	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital (Non-recurrent)...	50,000	<i>Nil.</i>	<i>Nil.</i>	<i>Nil.</i>	<i>Nil.</i>	50,000
(b) Recurring	.. 2,50,000	2,51,000	2,52,000	2,53,000	2,54,000	12,60,000
Total ..	3,00,000	2,51,000	2,52,000	2,53,000	2,54,000	13,10,000

10. *To what extent is the scheme productive and/or cost recoverable.—* The Scheme is of lasting benefit to the rural population including families of Returned soldiers though it may not be productive in terms of money nor is any cost recoverable.

11. *Nature of material, machinery, etc., needed from—*

- (a) *Abroad*.—Nil.
- (b) *Locally*—Furniture, equipment etc.

12. *Any other remarks or information.—* Nil.

## SCHEME NO. 95.

1. *Department.*—Public Health.
2. *Scheme.*—Establishment of two more Health Units in the Province on the lines of the Health Unit at Sirur.
3. *Brief description of the scheme.*—The object of Health Units is concentrated public health work carried on intensively among the rural population in limited areas. They are also meant to afford facilities of field training to the regular public health staff and rural practitioners service, as suggested by the Central Advisory Board of Health.
4. *Areas.*—One each in the Northern and Southern Divisions of the Province (There is one unit already working the Central Division).
5. *Other Departments concerned.*—Local Bodies and Revenue Department.
6. *Upper staff for planning and/or execution of the scheme.*—No staff is required for planning. Two Medical Officers of Health on a payscale of Rs. 300—40/3—500. Qualifications—Medical qualification registrable by the Bombay Medical Council plus British Diploma in Public Health or B.Hy. (Bom.) or D.P.H. (Bom.) or D.P.H. (Calcutta).
7. *Lower staff for planning and/or execution of the scheme.*—No staff is required for planning. For execution of the scheme, two Lady Doctors, 8 Health Visitors, 16 Midwives, 8 Sanitary Inspectors, 2 Clerks, 4 peons and 8 Sanitary Orderlies.

*Qualifications—*

Lady Doctors—M.B. B.S. or L.C.P.S.

Health Visitors—Health Visitors Diploma granted by the Bombay Nurses, Midwives and Health Visitors Council.

Midwives—Midwife's Diploma granted by the Bombay Nurses, Midwives and Health Visitors' Council.

Sanitary Inspectors—Sanitary Inspectors Examination Certificate.

*Payscales—*

Lady Doctors—Rs. 150—10—190.

Health Visitors and Sanitary Inspectors—Rs. 60—10/2—150.

Midwives—Rs. 50—5—75.

Sanitary Orderlies and Peons—Rs. 14 per mensem each.

*8. How staff to be obtained.—*

*Upper staff.*—To be obtained either by releasing required personnel from the Defence Forces or in the alternative by advertisement.

*Lower staff.*—To be recruited locally. Returned soldiers can be employed in the posts of peons and sanitary orderlies.

*9. Rough estimate of cost at existing rates for each year of the First Five-Year Plan.—*

(a) *Capital.*—Rs. 5,000 (Equipment including furniture, propaganda material, etc.).

(b) *Recurrent.*—Rs. 81,000 approximately. Rs.

<i>Note.</i> —Cost in first year	..	86,000
Cost in second year	..	82,000
	<b>Total</b>	<b>1,68,000</b>

10. *To what extent the scheme is productive and/or cost recoverable.*—The scheme is of lasting benefit to the rural population including men of the Indian Defence Force on their return home after demobilisation. It is productive in the sense that it conduces to healthy life, thus raising the standard of living of villagers in rural areas. It will serve as field training centre to the public Health staff and rural practitioners service.

11. *Nature of material machinery etc. needed from.—*

(a) *Abroad.*—Nil.

(b) *Locally.*—Augers for boring holes for village latrines, disinfectants like phenyle-lysotol white, bleaching powder, Tropical chloride of lime, potassium permanganate, barium carbonate, phowras, Ghamelas, pick axes, etc.

12. *Any other remarks.*—The scheme is complete in itself. No recruitment time-table or planning is required. It is proposed to introduce from the financial year 1945-46 as some difficulty is anticipated to get together the qualified staff required to execute the scheme. Otherwise the scheme is very beneficial, does not admit of delay and hence it is to be undertaken even during the pendency of the war. It is proposed to sanction the scheme for a period of two years commencing from 1945-46.

## SCHEME No. 96.

1. *Department*.—Educational.
2. *Scheme*.—Training of Primary Teachers for employment in concentrated areas.
3. *Brief description of the scheme*.—Opening of eight Primary Training Colleges with hostels (five for men and three for women).
4. *Areas selected for application*.—Districts of Ratnagiri, Kolaba, Satara, Poona, Ahmednagar, Sholapur, Belgaum, Bijapur and Surat.
5. *Other Departments concerned*.—
6. *Upper staff for planning and/or execution of the scheme*.—For planning—Nil. For execution—(1) 8 B. E. S. Class II posts in the scale of Rs. 170—500; (2) 40 trained graduates (men) in the scale of Rs. 45—175; (3) 24 trained graduates (women) in the scale of Rs. 85—175; (4) 16 clerks in the scale of Rs. 25—5/2—55 and (5) Two part-time teachers on Rs. 30 per mensem each.
7. *Lower staff for planning and/or execution of the scheme*.—For planning—Nil. For execution—160 inferior servants on pay ranging from Rs. 12 to Rs. 15 per mensem.
8. *How staff to be obtained*.—
  - (1) Upper staff—By promotion in the Department.
  - (2) Lower staff—By recruitment, as far as possible, from returned soldiers.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan*.—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	40,000	40,000	....	....	.... 80,000
(b) Recurring	..	1,40,000	3,41,000	3,96,000	4,01,000	4,06,000 16,84,000
Total	..	1,80,000	3,81,000	3,96,000	4,01,000	4,06,000 17,64,000

10. *To what extent is the scheme productive and/or cost recoverable*.—
11. *Nature of material, machinery, etc., needed from*—
  - (a) *Abroad*.—
  - (b) *Locally*.—Furniture and equipment to be purchased locally.
12. *Any other remarks or information*.—It is proposed to start only four Training Institutions in the first year of the post-war plan, the remaining four institutions being opened in the second year of the plan. Each Training College will turn out 80 second year trained teachers per year. The colleges will be located in rented buildings till new buildings are provided for them. It may be possible to use Army huts for this purpose, if available in suitable places.

## SCHEME No. 97.

1. *Department*.—Educational.
2. *Scheme*.—Opening of hostels for girls in the concentrated areas.
3. *Brief description of the scheme*.—It is proposed to open 19 hostels for girls to be attached to full grade primary schools for girls in the concentrated areas at the rate of 4 hostels every year for the first 4 years of the scheme and three hostels for the fifth year. Each hostel will provide accommodation for 40 to 50 girls under the supervision of a Matron.
4. *Areas selected for application*.—Districts of Satara, Ratnagiri, Kolaba, Poona, Sholapur, Ahmednagar, Belgaum, Bijapur and Surat.
5. *Other Departments concerned*.—
6. *Upper staff for planning and/or execution of the scheme*.—
  - (1) *For planning*.—Nil.
  - (2) *For execution*.—One trained woman primary teacher in the scale of Rs. 25—1/2—30—1—40 (with free quarters) to supervise each hostel.
7. *Lower staff for planning and/or execution of the scheme*.—
  - (1) *For planning*.—Nil.
  - (2) *For execution*.—
    - 38 cooks on a pay of Rs. 15 per mensem each.
    - 19 kitchen servants on a pay of Rs. 13 per mensem each.
    - 19 kamathis on a pay of Rs. 12 per mensem each.
8. *How staff to be obtained*.—By recruitment.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan*.—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	.. 2,000	2,000	2,000	2,000	1,500	9,500
(b) Recurring	.. 13,000	29,000	45,000	61,000	74,000	2,22,000
	—	—	—	—	—	—
Total	.. 15,000	31,000	47,000	63,000	75,500	2,31,500

10. *To what extent is the scheme productive and/or cost recoverable*.—
11. *Nature of material, machinery, etc., needed from*—
  - (a) *Abroad*.—
  - (b) *Locally*.—Cooking utensils and furniture to be obtained locally.
12. *Any other remarks or information*.—Every hostel is expected to cost about Rs. 500 non-recurring and about Rs. 4,100 recurring (inclusive of stipends to about 20 students in each hostel at Rs. 10 per mensem each for eleven months). Suitable buildings for these hostels are to be constructed in due course. Till then, the hostels will be housed in rented buildings.

## SCHEME No. 98.

1. *Department.*—Educational.
2. *Scheme.*—Opening of Agricultural Bias Schools in the concentrated areas.
3. *Brief description of the scheme.*—It is proposed to open 20 Agricultural Bias Schools in the concentrated areas. Each school will be a full grade school with a staff of 10 teachers and one field assistant. The schools will be run directly by Government and not through the local authorities. The schools are to be housed in rented buildings till suitable buildings are provided for them in selected areas. Suitable farms are also to be rented for these schools till they are purchased.
4. *Areas selected for application.*—Districts of Ratnagiri, Kolaba, Satara, Poona, Ahmednagar, Sholapur, Belgaum, Bijapur and Surat.
5. *Other Departments concerned.*—Department of Agriculture.
6. *Upper staff for planning and/or execution of the scheme.*—
  - (1) For planning—Nil.
  - (2) For execution—(i) 180 trained primary teachers in the scale of Rs. 25—1/2—30—1—40.
  - (ii) 20 trained primary teachers with special knowledge in Agriculture in the scale of Rs. 25—1/2—30—1—40 plus a graded allowance of Rs. 5—2/3—15.
7. *Lower staff for planning and/or execution of the scheme.*—
  - (1) For planning—Nil.
  - (2) For execution—20 field assistants on Rs. 30 per mensem each.
8. *How staff to be obtained.*—By recruitment.
- The field assistants are to be recruited as far as possible from skilled returned soldiers.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital ..	* 20,000	....	....	....	....	20,000
(b) Recurring ..	1,12,000	1,12,000	1,12,000	1,12,000	1,12,000	5,60,000
<b>Total ..</b>	<b>1,32,000</b>	<b>1,12,000</b>	<b>1,12,000</b>	<b>1,12,000</b>	<b>1,12,000</b>	<b>5,80,000</b>

\* This will be for implements, tools, equipment, furniture, etc., for the schools. Every school is expected to cost about Rs. 1,000.

10. *To what extent is the scheme productive and/or cost recoverable.*—Each school may yield an income of about Rs. 500 per annum which, however, is to be utilised in improving the school and its equipment.
11. *Nature of material machinery, etc., needed from.*—
  - (a) *Abroad.*—Nil.
  - (b) *Locally.*—Equipment to be obtained locally.
12. *Any other remarks or information.*—Each Agricultural Bias School is expected to cost Rs. 6,600 (Rupees 5,600 recurring and Rs. 1,000 non-recurring). It is proposed to open 20 agricultural bias schools in the concentrated areas in addition to the existing agricultural bias schools in these areas.

## SCHEME No. 99.

1. *Department.*—Educational.
2. *Scheme.*—Additional Primary Schools to be opened in school-less villages in the concentrated areas.
3. *Brief description of the scheme.*—It is proposed to encourage private bodies to open schools in the 650 villages in the concentrated areas with a population of 400 and over which have at present no schools. It is proposed to aid directly all schools with 2 or 3 teachers as "A" class approved schools and others as voluntary schools.
4. *Areas selected for application.*—Districts of Ratnagiri, Kolaba, Satara, Poona, Ahmednagar, Sholapur, Belgaum, Bijapur and Surat.
5. *Other Departments concerned.*—Nil.
6. *Upper staff for planning and/or execution of the scheme.*—The schools will be opened through private bodies with a grant-in-aid from Government. No staff, therefore will be appointed by Government.
7. *Lower staff for planning and/or execution of the scheme.*—The schools will be opened through private bodies with a grant-in-aid from Government. No staff, therefore will be appointed by Government.
8. *How staff to be obtained.*—The schools will be opened through private bodies with a grant-in-aid from Government. No staff, therefore will be appointed by Government.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

—	1st year	2nd year	3rd year	4th year	5th year	Total
(a) Capital ..	Rs. ....					
(b) Recurring ..	1,99,000	1,99,000	1,99,000	1,99,000	1,99,000	9,95,000
Total ..	1,99,000	1,99,000	1,99,000	1,99,000	1,99,000	9,95,000

10. *To what extent is the scheme productive and/or cost recoverable.*—

11. *Nature of material, machinery, etc., needed from.*—

- (a) *Abroad.*—
- (b) *Locally.*—

12. *Any other remarks or information.*—In the concentrated areas there are some 150 school-less villages with a population of 700 and over, some 200 villages with a population of 500 to 700, and some 300 villages with a population of 400 to 500. It is proposed to give an annual grant up to Rs. 500 each to schools in villages belonging to the first category, up to Rs. 350 each to schools in villages belonging to the second category and a grant up to Rs. 180 each to schools in villages belonging to the last category. The annual cost of the scheme thus works out at Rs. 1,99,000.

## SCHEME No. 100.

1. *Department.*—Educational.
2. *Scheme.*—Provision of playgrounds and school farms.
3. *Brief description of the scheme.*—The proposal approved administratively is to acquire suitable sites for the purpose of providing playgrounds for primary and secondary schools and farms for Agricultural bias schools and Agricultural High Schools in concentrated areas at a cost not exceeding Rs. 1 lakh every year during the first five-years of the Post-War Reconstruction Programme.
4. *Areas selected for application.*—Districts of Ratnagiri, Kolaba, Satara, Poona, Ahmednagar, Sholapur, Belgaum, Bijapur and Surat.
5. *Other Departments concerned.*—Revenue and Agricultural Departments.
6. *Upper staff for planning and/or execution of the scheme.*—Nil.
7. *Lower staff for planning and/or execution of the scheme.*—Nil.
8. *How staff to be obtained.*—Nil.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	.. 1,00,000	1,00,000	1,00,000	1,00,000	1,00,000	5,00,000
(b) Recurring	.. Nil.	Nil.	Nil.	Nil.	Nil.	Nil.
Total	.. 1,00,000	1,00,000	1,00,000	1,00,000	1,00,000	5,00,000

10. *To what extent is the scheme productive and/or cost recoverable.*—
11. *Nature of material machinery, etc., needed from.*—
  - (a) *Abroad.*—
  - (b) *Locally.*—
12. *Any other remarks or information.*—

## SCHEME No. 101.

1. *Department.—Education.*
2. *Scheme.—Opening of 4 more Agricultural High Schools.*
3. *Brief description of the scheme.*—The proposal is to open four more Agricultural High Schools in the Concentrated areas. The Schools are to be opened with Standard I to IV in the first year of the Post-War Reconstruction Programme and higher standards are to be added in succeeding years so that the schools should be full High Schools within four years.
4. *Areas selected for application.*—The question of the location of these High Schools is still under the consideration of Government.
5. *Other Departments concerned.*—Revenue Department.
6. *Upper staff for planning and/or execution of the scheme.*—
  - 4 B. E. S. Class II posts (170—500).
  - 40 Trained graduate teachers (45—175).
  - 4 Clerks (25—55).
- Agricultural staff—
  - 4 Agricultural teacher supervisors (45—175).
  - 8 Agricultural Teachers (45—175).
  - 8 Field Assistants (30—60).
  - 5 Farm servants—Rs. 15 each.
7. *Lower staff for planning and/or execution of the scheme.*—
  - 36 Inferior servants (including farm servants)—Rs. 15.
  - 4 Laboratory Hamals—19—1/2—29.
8. *How staff to be obtained.*—
  - Upper—By recruitment or promotion.
  - Lower—By recruitment.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital ..	1,04,000	8,000	24,000	4,000	....	*1,40,000
(b) Recurring ..	39,344	65,012	85,780	95,980	99,928	3,86,044
 Total ..	 1,43,344	 73,012	 1,09,780	 99,980	 99,928	 5,26,044

\* It has been proposed to construct four buildings for the four High Schools at a cost of Rs. 4,00,000. The details are being scrutinised separately.

10. *To what extent is the scheme productive and/or cost recoverable.*—Fees from students at Rs. 3,000 per School per year.

11. *Nature of material, machinery, etc., needed from—*

- (a) *Abroad—*) Furniture and equipment will be obtained locally.
- (b) *Locally—*) Furniture and equipment will be obtained locally.

12. *Any other remarks or information.*—There are already four Agricultural High Schools in Satara, Jalgaon, Bijapur and Godhra. It is proposed to open 4 more Agricultural High Schools so that there will be as far as possible 2 such schools in each Educational Division.

## SCHEME No. 102.

1. *Department.*—Education.
2. *Scheme.*—Opening of Technical High Schools.
3. *Brief description of the scheme.*—Two Technical High Schools are to be opened in the concentrated areas.
4. *Areas selected for application.*—The question of the location of these High Schools is still under the consideration of Government.
5. *Other Departments concerned.*—Department of Industries.
6. *Upper staff for execution of the scheme.*—
  - 2 B. E. S. Class II officers (Rs. 170—500).
  - 20 Trained graduate teachers (Rs. 45—175).
  - 2 Clerks (Rs. 25—55).
7. *Technical staff.*
  - 2 Engineering Superintendents (Rs. 170—340).
  - 2 Assistant Engineering Superintendents (Rs. 120—150).
  - 4 Draftsmen (Rs. 70—130).
  - 2 Carpenters (Rs. 60—75).
  - 2 Fitters—Rs. 60—75.
  - 2 Blacksmiths—Rs. 45.
  - 2 Turners—Rs. 60—75.
  - 2 Electricians—Rs. 50—70.
  - 2 Moulders—Rs. 45.
  - 2 Storekeepers—Rs. 25—55.
  - 2 Oilmen—Rs. 25.
  - 2 Instructors for Wireman's class—Rs. 40—50.
8. *Lower staff for execution of the scheme.*—24 inferior servants on Rs. 15 to 20 and 2 laboratory Assistants on Rs. 19— $\frac{1}{2}$ —29.
9. *How staff to be obtained.*—Upper by recruitment or by promotion.  
Lower by recruitment.
10. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) Capital	Rs. 2,00,000	Rs. ....	Rs. ....	Rs. ....	Rs. ....	Rs. 2,00,000
(b) Recurring	Rs. 60,000	Rs. 75,000	Rs. 75,000	Rs. 75,000	Rs. 75,000	Rs. 3,60,000
Total	Rs. 2,60,000	Rs. 75,000	Rs. 75,000	Rs. 75,000	Rs. 75,000	Rs. 5,60,000

11. *To what extent is the scheme productive and/or cost recoverable.*—Fees from students at Rs. 5,000 per year.
12. *Nature of material, machinery, etc., needed from—*
  - (a) *Abroad.*—
  - (b) *Locally.*—The equipment and furniture will be purchased locally.
13. *Any other remarks or information.*—There are two Technical High Schools, one in Bombay and the other in Sholapur and it is proposed to open two more so that there will be one such school in each Educational Division. The figures shown in item 9 above are only tentative and will have to be considerably altered as it has been proposed to open the High Schools with Standards I to IV in the first year of the P. W. R. programme and to add higher standards every year so that the schools should be full High Schools within four years. The scheme has not been finally approved by Government.

## SCHEME No. 103.

1. *Department*.—Educational.
2. *Scheme*.—Introduction of free and compulsory elementary education in concentrated areas.
3. *Brief description of the scheme*.—It is proposed to introduce free compulsory elementary education for children of the ages of 6 to 11 in concentrated areas. It is proposed to bring about 40,000 additional children to school every year. The scheme is proposed to be spread over a period of 15 years at the end of which all the children liable for compulsion in the areas selected may be brought to school.
4. *Areas selected for application*.—Selected talukas in the districts of Satara, Ratnagiri, Kolaba, Poona, Sholapur, Ahmednagar, Belgaum, Bijapur and Surat.
5. *Other Departments concerned*.—Nil.
6. *Upper staff for planning and/or execution of the scheme*.—(i) About 250 Matriculate Attendance Officers in the scale of Rs. 30—5/2—60. (ii) About 18,000 primary teachers in the scale of Rs. 25—1/2—30—1—40.
7. *Lower staff for planning and/or execution of the scheme*.—About 250 peons one for each attendance officer.
8. *How staff to be obtained*.—By recruitment. To facilitate the recruitment of teachers required for this scheme it is proposed to start three Training Colleges for primary teachers immediately and 8 colleges after the termination of war (vide schemes Nos. 13 and 96.)
9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan*.—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
(a) Capital		Rs.	Rs.	Rs.	Rs.	Rs.
(b) Recurring	..	*60,000	60,000	60,000	60,000	3,00,000
	..	4,54,000	9,07,000	13,61,000	18,14,000	68,04,000
Total	..	5,14,000	9,67,000	14,21,000	18,74,000	71,04,000

\*This is calculated at the rate of Rs. 50 per teacher for 1,200 teachers which it is proposed to employ annually.

10. *To what extent is the scheme productive and/or cost recoverable*.—Nil

11. *Nature of material, machinery, etc., needed from*—  
(a) *Abroad*—

- (b) *Locally*.—Furniture and other equipment required for schools and teachers, etc., will be purchased locally.

12. *Any other remarks or information*.—The total number of children attending schools in the concentrated areas at present is about 6 lakhs and the number of additional children for whom provision will have to be made is likely to be 6 lakhs. It is proposed to bring all these children to school within a period of 15 years, every year about 40,000 additional children being brought to school. Thus about 2 lakhs additional children will be brought under compulsion during the first five years. The total recurring expenditure on the basis of the present *per capita* cost is estimated at Rs. 4.51,000 in the first year and this will increase annually by the same amount and will be Rs. 68 lakhs in the 15th year. The question whether the scheme should be enforced through the Local Authorities or whether Government should enforce the scheme themselves is under consideration.

## SCHEME No. 104.

1. *Department.*—Educational.
2. *Scheme.*—Construction of buildings for full grade primary schools in the concentrated areas.
3. *Brief description of the scheme.*—It is proposed to construct 1,600 buildings for full grade primary schools in the concentrated areas. The programme is to be spread over a period of 15 years, about 107 buildings being constructed every year. Each building is expected to cost about Rs. 30,000.
4. *Areas selected for application.*—All the talukas selected in the districts of Ratnagiri, Kolaba, Satara, Poona, Sholapur, Ahmednagar, Belgaum, Bijapur and Surat.
5. *Other Departments concerned.*—Revenue and Public Works Departments..
6. *Upper staff for planning and/or execution of the scheme.*—
7. *Lower staff for planning and/or execution of the scheme.*—
8. *How staff to be obtained.*—
9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan.*—

—	1st year	2nd year	3rd year	4th year	5th year	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	3,20,000	3,20,000	3,20,000	3,20,000	3,20,000 1,60,00,000
(b) Recurring	..	....	....	....	....	....
Total	..	3,20,000	3,20,000	3,20,000	3,20,000	3,20,000 1,60,00,000

10. *To what extent is the scheme productive and/or cost recoverable.*—
11. *Nature of material machinery, etc., needed from—*
  - (a) *Abroad.*—
  - (b) *Locally.*—Building material to be obtained locally.
12. *Any other remarks or information.*—There are 1,100 full grade primary schools in the concentrated areas at present out of which only 600 schools have buildings of their own and the rest are housed in rented buildings. The existing rented buildings are unsuitable for school purposes being residential houses with small dark rooms. It is therefore, proposed to provide buildings for all the 500 schools which are housed in rented buildings. It is also proposed to introduce a scheme of compulsory education in the concentrated areas as a post-war reconstruction measure and under that scheme about 1,100 full grade schools are likely to be opened. It is therefore proposed to construct buildings for these 1,100 schools also. Every year about 107 buildings at a cost of about Rs. 30,000 each will be constructed, the scheme being spread over a period of 15 years.

## SCHEME No. 105.

1. <i>Department.</i> —Educational.						
2. <i>Scheme.</i> —Strengthening of the Inspecting staff.						
3. <i>Brief description of the scheme.</i> —It is proposed to create 105 additional posts of Assistant Deputy Educational Inspectors at the rate of 21 posts (18 men and 3 women) every year for five years for the concentrated areas.						
4. <i>Areas selected for application.</i> —Districts of Ratnagiri, Kolaba, Satara, Poona, Ahmednagar, Sholapur, Belgaum, Bijapur and Surat.						
5. <i>Other Departments concerned.</i> —Nil.						
6. <i>Upper staff for planning and/or execution of the scheme.</i> —90 trained graduates (men) in the scale of Rs. 45—5—115—Efficiency Bar—5—145—Efficiency Bar—6—175. 15 trained graduates (women) in the scale of Rs. 85—5—115—Efficiency Bar—5—145—Efficiency Bar—6—175.						
7. <i>Lower staff for planning and/or execution of the scheme.</i> —						
100 Peons on Rs. 14 per mensem each.						
5 Peons on Rs. 15 per mensem each.						
8. <i>How staff to be obtained.</i> —						
<i>Upper staff</i> —By transfer from Government Schools or recruitment.						
<i>Lower staff</i> —By recruitment as far as possible from returned soldiers.						
9. <i>Rough estimate of cost at existing rates for each year of the first Five-Year Plan.</i> —						
—	1st year	2nd year	3rd year	4th year	5th year	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital ..	2,100	2,100	2,100	2,100	2,100	10,500
(b) Recurring ..	85,900	1,21,800	1,57,800	1,93,700	2,29,700	7,88,900
Total ..	88,000	1,23,900	1,59,900	1,95,800	2,31,800	7,99,400

10. *To what extent is the scheme productive and/or cost recoverable.*

11. *Nature of material, machinery, etc., needed from—*

(a) *Abroad.*—

(b) *Locally.*—Furniture costing Rs. 100 for each Assistant Deputy Educational Inspector is to be obtained locally.

12. *Any other remarks or information.*—The existing inspecting staff is very inadequate in numbers to exercise effective and efficient supervision over primary schools in the Province. At present every Assistant Deputy Educational Inspector has to inspect about 75 schools. He cannot effectively supervise such a large number of schools with the result that the efficiency of the schools suffers. It is therefore proposed to create 190 additional posts of Assistant Deputy Educational Inspectors (105 under this scheme and 85 under scheme No. 41) so as to bring the ratio of inspecting officers to schools from 1 : 75 to the ideal ratio of 1 : 50. It was originally intended to implement this scheme immediately but Government has now decided to take it up after the termination of war.

## SCHEME No. 106.

1. *Department.*—Educational.
2. *Scheme.*—Medical Inspection and treatment of school children.
3. *Brief description of the scheme.*—It is proposed to introduce a scheme of medical inspection of children in primary and secondary schools.
4. *Areas selected for application.*—Selected talukas in the Districts of Satara, Ratnagiri, Kolaba, Poona, Sholapur, Ahmednagar, Belgaum, Bijapur and Surat.
5. *Other Departments concerned.*—General Department.
6. *Upper staff for planning and/or execution of the scheme.*—
  - (1) For planning—Nil.
  - (2) For execution—(i) 125 B. M. S. Class II officers, in the scale of Rs. 200—40/3—400 (Probationers Rs. 150 for 1st year and Rs. 180 for second year).
  - (ii) 125 compounders in the scale of Rs. 25—5/2—70.
7. *Lower staff for planning and/or execution of the scheme.*—
  - (1) For planning—Nil.
  - (2) For execution—125 peons on a pay of Rs. 15 each.
8. *How staff to be obtained.*—The B. M. S. Class II officers and compounders to be recruited from those returning from war service.
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	.. 1,00,000	....	....	....	....	1,00,000
(b) Recurring	.. 3,50,000	3,50,000	3,50,000	3,50,000	3,50,000	17,50,000
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total ..	4,50,000	3,50,000	3,50,000	3,50,000	3,50,000	18,50,000

10. *To what extent is the scheme productive and/or cost recoverable.*—
11. *Nature of material, machinery, etc., needed from.*—
  - (a) *Abroad.*—
  - (b) *Locally.*—Equipment and furniture, etc. for the medical officers to be purchased locally.
12. *Any other remarks or information.*—For the inspection of children in primary schools it is proposed to appoint about 100 B. M. S. Class II officers who will be required to inspect the children once on their entry into schools at the age of about seven and again at the ages of eleven and fourteen. Those requiring treatment will be treated and examined as often as necessary.

Medical inspection and treatment of secondary school children is proposed to be arranged at Government hospitals and/or Local Board Dispensaries at special sessions to be held for the purpose. Extra staff will be provided at these hospitals to cope with the additional work.

## SCHEME No. 107.

1. *Department.*—Educational.
2. *Scheme.*—Supply of Mid-day meals to primary school children in one taluka in the Ratnagiri District.
3. *Brief description of the scheme.*—It is proposed to supply milk and some vegetables to children suffering from mal-nutrition in the primary schools of a taluka in the Ratnagiri District included in the concentrated areas.
4. *Areas selected for application.*—One taluka in the Ratnagiri District.
5. *Other Departments concerned.*—General Department.
6. *Upper staff for planning and/or execution of the scheme.*—
7. *Lower staff for planning and/or execution of the scheme.*—
8. *How staff to be obtained.*—
9. *Rough estimate of cost at existing rates for each year of the First Five-Year Plan.*—

—	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital]	..	....	....	....	....	....
(b) Recurring	..	4,00,000	4,00,000	4,00,000	....	12,00,000
Total	..	4,00,000	4,00,000	4,00,000	....	12,00,000

10. *To what extent is the scheme productive and/or cost recoverable.*—
11. *Nature of material machinery, etc., needed from.*—
  - (a) *Abroad.*—
  - (b) *Locally.*—
12. *Any other remarks or information.*—The supply of meals may be entrusted to private contractors under the supervision of the Director of Public Health for the Government of Bombay. The scheme is to be tried as an experimental measure for about three years in the first instance and may be continued if necessary.

## SCHEME No. 108

1. *Department.*—Department of Industries.
2. *Scheme.*—Cottage Industries.
3. *Brief description of the scheme.*—To organise peripatetic parties on the existing lines in cotton weaving, wool weaving, tanning, etc.
4. *Areas selected for application.*—These parties will be located in those centres of a district which afford facilities of raw materials in the concentrated area.
5. *Other Departments concerned.*—Nil.
6. *Upper staff for planning and/or execution of the scheme.*—4 District Industrial Officers for the districts of the concentrated area.
7. *Lower staff for planning and/or execution of the scheme.*—The following staff for 8 districts for these parties :—
  - (1) *Cotton Weaving.*—
    - 8 Weaving Masters (scale Rs. 40—2—60) each.
    - 8 Assistant Weaving Masters (scale Rs. 30—2—40) each.
  - (2) *Wool Weaving School.*—
    - 8 Wool Weaving Masters (scale Rs. 50—2—60) each.
    - 8 Assistant Wool Weaving Masters (scale Rs. 30—2—40) each.
    - 8 Part-time Female carders on Rs. 7 per mensem.
    - 8 Part-time Female spinners on Rs. 8 per mensem.
  - (3) *Tanning.*—
    - 8 Tanning Demonstrators on Rs. 50 per mensem each.
    - 8 Assistant Tanning Demonstrators on Rs. 30 per mensem each.
  - (4) *Cane and Bamboo work.*—
    - 8 Master Craftmen at Rs. 75 per month each.
    - 8 Assistant Master Craftsmen on Rs. 40 per mensem each.
  - (5) *Carpentry and Woodturning.*—
    - 8 Demonstrators on Rs. 50—3—65 each.
  - (6) *Leather Working.*—
    - 8 Instructors in the scale of Rs. 60—3—75 each.
    - 8 Assistant Instructors in the scale of Rs. 40—2—50 each.
  - (7) *Smithy.*—
    - 8 Master Craftsmen in the scale of Rs. 100—5—150.
    - 8 Blacksmiths in the scale of Rs. 60—5—75.
  - (8) *Fibre manufacture.*—
    - 8 Demonstrators in the scale of Rs. 50—2—60.
    - 8 Assistant Demonstrators in the scale of Rs. 30—2—40.
8. *How staff to be obtained.*—To be obtained by public advertisement and by promotion from the existing staff by Director of Industries.
9. *Rough estimates of cost at existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital ..	96,800	....	..	....	....	96,800
(b) Recurring ..	1,60,944	1,61,180	1,61,420	1,61,660	1,61,900	8,07,104
	2,67,744	1,61,180	1,61,420	1,61,660	1,61,900	9,03,904

10. *To what extent is the scheme productive and/or cost recoverable.*—The scheme will develop the Cottage Industries of the Province as well as improve the economic condition of cotton workers. . No cost is recoverable.

11. *Nature of material, machinery, etc., needed from.*—

(a) *Abroad.*—Lathes and tools, etc.

(b) *Locally.*—Other equipment such as looms, beams, shuttles, etc.

12. *Any other remarks or information.*—The details of the scheme have not yet been approved by Government.

## SCHEME No. 109

1. *Department.*—Department of Industries.
2. *Scheme.*—Publicity and Propaganda Scheme (Reorganisation Department—4).
3. *Brief description of the scheme.*—It is proposed to bring to the notice of all villagers and others the importance of cottage industries and the help rendered by his Department by means of artistic posters, advertisement, photographs and with the aid of magic lanterns, etc.
4. *Areas selected for application.*—Whole province.
5. *Other Departments concerned.*—Nil.
6. *Upper staff for planning and/or execution of the scheme.*—Propaganda and publicity Officer.
7. *Lower staff for planning and/or execution of the scheme.*—Two clerks and two const.
8. *How staff to be obtained.*—By public advertisement by the Department of Industries.
9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1) Capital ..	5,000	(Equipment)	....	....	....	5,000
Recurring ..	10,332	10,512	10,932	11,172	11,532	54,480
Total ..	15,332	10,512	10,932	11,172	11,532	59,480

10. *To what extent is the scheme productive and/or cost recoverable.*—Nil.
11. *Nature of material, machinery, etc., needed from.*—
  - (a) *Abroad*—Nil.
  - (b) *Locally*—Nil.
12. *Any other remarks or information.*—The details of the scheme have not yet been approved by Government.

## SCHEME No. 110.

1. *Department.*—General Educational Department (Industries).
2. *Scheme.*—Headquarter staff for planning and execution of Post-War Reconstruction Schemes pertaining to the Department of Industries.
3. *Brief description of the scheme.*—In order to give effect to Post-War Reconstruction schemes pertaining to the Department of Industries, it is proposed to strengthen both gazetted and non-gazetted staff at the Headquarter and Districts.
4. *Areas selected for application.*— ....
5. *Other Departments concerned.*— ....
6. *Upper staff for planning and/or execution of the scheme.*—One Deputy Director of Industries in the scale of 600—30—660—40—1,100 and four District Industrial Officers in the scale of 150—10—250—15—400.
7. *Lower staff for planning and/or execution of the scheme*—

Headquarter Staff.			Scale of pay.
(1) Three Heads of Branches	..	..	.. 110—10—180
(2) Three Senior Clerks	..	..	.. 95—5—140
(3) Six Junior Clerks	..	..	.. 50—5/2—90
(4) One Stenographer	..	..	.. 110—5—140
(5) Three Typists	..	..	.. 50—5/2—90
(6) Three Peons	..	..	.. @Rs. 23 p. m.

District Staff.			
(1) Four Industrial Inspectors	..	..	.. 100—5/2—150
(2) Eight Junior Clerks	..	..	.. 25—5/2—55
(3) Eight Peons	..	..	.. @Rs. 14 p. m.

8. *How staff to be obtained.*—By public advertisement.
9. *Rough estimate of cost at existing rates for each year of the first Five-Year Plan.*—

—	1st year	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital.—						
	Furniture of all offices,	5,500	....	....	....	5,500
(b) Recurring.—						
	Establishment pay and allowances.]	46.784				
	Contingencies	1,500				
	Service postage, Miscellaneous Office expenses, rent rates, taxes, Look., etc.	6,000				
	Total	54,284	55,732	56,430	59,872	62,572
						2,90,890
		59,784	55,732	58,430	59,872	62,572
						2,96,390

10. *To what extent is the scheme productive and/or cost recoverable.*—The scheme is meant to strengthen the staff at the Headquarter and Districts for execution of the Post-War Reconstruction Schemes pertaining to the Department of Industries.

11. *Nature of material, machinery, etc., needed from—*

(a) *abroad.*—Nil.

(b) *locally.*—Nil.

12. *Any other remarks or information.*—The creation of the post of an additional Deputy Director of Industries for the framing and execution of post-war reconstruction schemes has been administratively approved by Government. The proposal regarding the other staff is under the consideration of Government. It is proposed to reserve 50 per cent. of the posts for candidates with approved war service.

## SCHEMES Nos. 111 AND 112.

1. *Department.*—Home Department (Political).
2. *Scheme.*—Village Amenities Centres for ex-soldiers.
3. *Brief description of the Scheme.*—It is proposed to establish recreation centres with club-houses, gymnasia and libraries in villages which have sent a large number of recruits (say over 50). Such facility would be welcomed by ex-soldiers and should help them to retain their *esprit de corps*. 50 such centres will be established at Bazaar towns in the heavy recruitment areas at an approximate initial cost of Rs. 1,000 each as an experiment in the first instance. The scheme will be administered through the Bombay Provincial Sailors', Soldiers' and Airmen's Board and combined with the scheme of Village Chavdis, wherever possible.
4. *Areas selected for application.*—Heavy recruitment areas such as Ratnagiri, Satara, Ahmednagar, Belgaum Districts.
5. *Other Departments concerned.*—The Revenue Department as regards 'chavdis' and the General Department as regards libraries.
6. *Upper staff for planning and/or execution of the scheme.*—Nil.
7. *Lower staff for planning and/or execution of the scheme.*—Nil.
8. *How staff to be obtained.*—Does not arise.
9. *Rough estimates of cost at existing rates for each year of the first five-year plan.*—Approximate cost for 50 club-houses—Rs. 50,000.
10. *To what extent the scheme is productive and/or cost recoverable.*—The scheme is neither productive nor is the cost recoverable.
11. *Nature of material, machinery, etc., needed from.*—
  - (a) *A abroad*—Nil.
  - (b) *Locally*—Nil.
12. *Any other remarks or information.*—No precise estimates of cost each year can be given. The scheme will be put through as soon as possible after the end of the war and if successful will be extended to more centres.

## SCHEME No. 113.

1. *Department.*—Revenue.

2. *Scheme.*—Village amenities—Chavdis.

3. *Brief description of the scheme.*—Construction of 220 chavdis as shown below:—

Northern Division	..	..	30
Central Division	..	..	100
Southern Division	..	..	100
			230

4. *Areas selected for application.*—Concentrated areas, viz., Surat, Satara, Poona, Sholapur, Ahmednagar, Kolaba, Ratnagiri, Belgaum, Bijapur Districts.

5. *Other Departments to be consulted.*—Public Works Department.

6. *Upper staff for planning and/or execution of the scheme.*—No additional staff is required. The work of preparation of plans and estimates and execution of the works may be entrusted to the Public Works Department.

7. *Lower staff for planning and/or execution of the scheme.*—No additional staff is required. The work of preparation of plans and estimates and execution of the works may be entrusted to the Public Works Department.

8. *How staff to be obtained.*—This question does not arise.

9. *Rough estimate of the cost at the existing rates for each year of the First Five-Year Plan.*—

	1st year.	2nd year.	3rd year.	4th year.	5th year.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Capital	..	1,84,000	1,84,000	1,84,000	1,84,000	9,20,000
(b) Recurring	..	....	....	....	....	....
Total	..	1,84,000	1,84,000	1,84,000	1,84,000	9,20,000

10. *To what extent is the scheme productive and/or cost recoverable.*—Chavdis are very useful for touring officers. They serve the purpose of office for village officers for collection of land revenue and other Government dues and for the preservation of village records.

11. *Details of materials, machinery, etc., needed from.*—

(a) *Abroad*—

(b) *Locally*—Earth, stones, wooden planks, and such other articles which will generally be required for construction of an ordinary house.

12. *Any other remarks or information.*—Some of the chavdis may be combined with Club Houses proposed to be established under Scheme No. 111.

## SCHEME No. 114.

1. *Department.*—Home Department (Political).
2. *Scheme.*—Buildings for hostels for children of Indian Soldiers.
3. *Brief description of the Scheme.*—With a view to providing educational facilities for the children and other dependants of soldiers, it is proposed to set up hostels. Buildings will be rented or acquired where suitable. Where necessary, buildings will be constructed at Government cost. The scheme will be administered through the Bombay Provincial Sailors', Soldiers' and Airmen's Board. 13 such hostels have already been set up and started functioning and 3 more will shortly be started. Some of these which are at present inadequately housed will have to be housed better after the war, buildings at Government cost being constructed, wherever necessary.
4. *Areas selected for application.*—Districts of Ratnagiri, Satara, Sholapur, East Khandesh, Kolaba, Ahmednagar, Belgaum and Kanara.
5. *Other Departments concerned.*—Public Works Department.
6. *Upper staff for planning and/or execution of the scheme.*—Nil.
7. *Lower staff for planning and/or execution of the scheme.*—Nil.
8. *How staff to be obtained.*—Does not arise.
9. *Rough estimates of cost at existing rates for each year of the first Five-Year Plan.*—See remarks against 12 below.
10. *To what extent the scheme productive and/or cost recoverable.*—The scheme is neither productive, nor is the cost recoverable.
11. *Nature of material, machinery, etc., needed from—*
  - (a) *Abroad*—Nil.
  - (b) *Locally*—Ordinary building materials.
12. *Any other remarks or information.*—It is likely that after the War such hostels would be set up at more centres. The setting up of similar hostels for girls is also under consideration.

No precise estimates regarding the expenditure on the scheme year by year can be given. It is expected that in some centres military buildings would be available, after the War. Where building at Government cost is necessary it is proposed to put up such buildings as soon as possible after the War.

